CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Gas pipe line, Texas, Texas Latex Gas Co. plans 200 mi. gas pipe line, $10,000,000; also branch line, $2,000,000.

Theatre and apartment, New York, N. Y., Roxy Theatre Corp. having plans prepared, $10,000,000.

Streets, Los Angeles, Calif., plans widening, curbing, guttering, paving, etc., $7,800,000.

Railroad, Illinois, Minneapolis, St. Paul & Sault St. Marie Ry. Co. making plans, $3,000,000.

Store, office and garage, Cleveland, O., Syndicate, c/o W. J. Wefel, archt. having skteches made, $2,000,000.

Garage and stores, Chicago, Ill., G. E. Holmes plans 14 story garage and stores, $2,000,000.

Clubhouse, Margate City, N. J., Atlantic City Beach Club having plans prepared, $2,000,000.

High school, Cleveland, O., Bd. of Educ. having preliminary plans prepared, $1,800,000.

Grain elevator, Albany, N. Y., Albany Port District Comn. plans elevator and railroad tracks, $1,500,000.

Cold and dry storage, Albany, N. Y., Albany Port District Comn. plans 1st unit, $1,500,000.

Docks, Rensselaer, N. Y., Albany Port District Comn. making plans, $1,500,000.

Hospital, Cleveland, O., Charity Hospital, having preliminary plans prepared, $1,200,000.

Hotel, New York, N. Y., V. Green Co. having plans prepared, $1,000,000.

Drainage, Illinois, District to be formed, making plans, $1,000,000.

Museum, Oakland, Calif., City having preliminary plans prepared, $1,000,000.

Apartment, Los Angeles, Calif., I. Stone having preliminary plans prepared, $1,000,000.

Bids Desired

Auditorium, Cleveland, O., W. R. Hopkins, city mgr., taking bids, $2,000,000.

Theatre, Rochester, N. Y., Mar. 15 by Craven & Margyer, archts., $1,250,000.

Contracts

Theatre and office, Detroit, Mich., Detroit Properties Co. to Walbridge Aldinger Co., $6,000,000.

Apartment hotel, Omaha, Neb., Farnam Building Corp. to C. L. Gray, $2,250,000.

Hotel, Santa Monica, Calif., Miramar Hotel to Scofield Eng.-Constr. Co., $1,250,000.

College, Macon, Ga., Wesleyan College to Southern Ferro Concrete Co., $1,000,000.

Club and cottages, Newport Beach, Calif., South Coast Club to Mathis Constr. Co., $1,000,000.

Classified Index of Bids Wanted

Waterworks

Bids close		*See Eng. News-Record*
Feb. 7	Lake Forest, Ill	Jan. 13
Feb. 8	Toronto, Ont.	Jan. 13
Feb. 8	Palahatchie, Miss.	Jan. 27
Feb. 8	Amarillo, Tex.	Jan. 27
Feb. 8	Toronto, Ont.	Jan. 27
Feb. 8	Elkhart, Ind.	Feb. 3
Feb. 8	Milwaukee, Wis.	Feb. 3
Feb. 8	Minneapolis, Minn.	Feb. 3
Feb. 8	Somerset, Mass.	Feb. 3
Feb. 9	Portland, Ore.	Jan. 27
Feb. 10	Buffalo, N. Y.	Feb. 3
Feb. 10	Proberta, Calif.	Feb. 3
Feb. 10	Milwaukee, Wis.	Feb. 3
Feb. 10	LaCrosse, Wis.	Feb. 3
Feb. 11	Wauwatosa, Wis.	Feb. 3
Feb. 11	Orchard Park, N. Y.	Jan. 27
Feb. 11	Jewell, Ia.	Feb. 3
Feb. 14	Princeton, Ky.	Feb. 3
Feb. 17	Pittsburgh, Pa.	Feb. 3
Feb. 17	Fredericksburg, Va. Adv. Jan. 27 and Feb. 3.	Jan. 27
Feb. 17	Springfield, Mass.	Feb. 3

Sewers

Feb. 7	Atlanta, Ga.	Jan. 27
Feb. 7	Long Island City, N. Y.	Feb. 3
Feb. 9	Brooklyn, N. Y.	Feb. 3
Feb. 9	Baltimore, Md.	Feb. 3
Feb. 9	Los Angeles, Calif.	Feb. 3
Feb. 9	Cleveland, O.	Feb. 3
Feb. 9	Winter Park, Fla.	Feb. 3
Feb. 9	Wilmington, N. C.	Jan. 27
Feb. 15	Rushville, Ind.	Jan. 13
Feb. 15	Bloomfield, Ind.	Jan. 20
Feb. 15	Marksville, La.	Feb. 3
Feb. 16	Sturgis, Ky.	Feb. 3
Feb. 21	Luling, Tex.	Jan. 27
Feb. 21	Huntington, Tenn.	Jan. 27
Feb. 21	Fort Lauderdale, Fla. Adv. Feb. 3.	Feb. 3
Apr. 1	Kenmore, O.	Feb. 3

Waste Disposal

Feb. 8	Fort Lauderdale, Fla.	Jan. 20
Feb. 14	New York, N. Y.	Jan. 20
Feb. 28	Highlands, N. J. Adv. Feb. 3.	Feb. 3

Bridges

Feb. 5	Winchendon, Mass.	Jan. 13
Feb. 8	North Carolina	Jan. 27
Feb. 8	Alton, Ill.	Feb. 3
Feb. 10	Solomon, Kan.	Jan. 27
Feb. 14	Peekskill, N. Y. Adv. Jan. 27 and Feb. 3.	Jan. 27
Feb. 15	Hoquiam, Wash.	Feb. 3
Feb. 17	Kentucky	Jan. 20
Feb. 17	Pittsburgh, Pa.	Feb. 3
Feb. 21	New York Adv. Feb. 3.	Feb. 3
Feb. 28	Arkansas Adv. Feb. 3.	Feb. 3
Mar. 9	Poughkeepsie, N. Y. Adv. Jan. 27 and Feb. 3.	Jan. 27

Excavation, Drainage, Irrigation, Levees, River and Harbor

Feb. 4	Paulding, O.	Jan. 27
Feb. 5	Savanna, Ill.	Jan. 20
Feb. 8	New York Adv. Jan. 13 to Feb. 3.	Jan. 13
Feb. 8	Bay St. Louis, Miss.	Jan. 27
Feb. 10	Maquoketa, Ia.	Jan. 6
Feb. 15	Baton Rouge, La.	Jan. 27
Feb. 15	St. Gideon, Que.	Feb. 3
Feb. 17	Cap de la Madeleine, Que.	Feb. 3
Feb. 17	Deal, N. J.	Feb. 3
Feb. 17	Santa Barbara, Calif.	Jan. 27
Feb. 19	Bellefontaine, O.	Jan. 27
Feb. 25	Crookston, Minn.	Feb. 3

Streets and Roads

Feb. 5	Waynesburg, Pa.	Jan. 27
Feb. 7	Akron, O.	Jan. 27
Feb. 7	Rensselaer, Ind.	Jan. 20
Feb. 7	Rising Sun, Ind.	Jan. 20
Feb. 7	Vancouver, B. C.	Feb. 3
Feb. 7	Snyder, Okla.	Feb. 3
Feb. 8	Newkirk, Okla.	Feb. 3
Feb. 8	St. Louis, Mo.	Jan. 20
Feb. 8	West Virginia	Jan. 20
Feb. 8	Brazil, Ind.	Jan. 20
Feb. 8	Bloomfield, Ind.	Jan. 20
Feb. 8	Decatur, Ind.	Jan. 20
Feb. 8	Auburn, Ind.	Jan. 20
Feb. 8	North Carolina	Jan. 27
Feb. 8	Gulfport, Miss.	Jan. 27
Feb. 8	West Virginia	Jan. 27
Feb. 8	Morgantown, W. Va.	Jan. 27
Feb. 8	Vincennes, Ind.	Feb. 3
Feb. 9	Columbus, O.	Feb. 3
Feb. 9	Brooklyn, N. Y.	Feb. 3
Feb. 9	Farmington, Mo.	Feb. 3
Feb. 10	South Carolina	Feb. 3
Feb. 10	Ft. Madison, Ia.	Jan. 27
Feb. 10	South Carolina	Feb. 3
Feb. 11	Council Grove, Kan.	Jan. 20
Feb. 11	Colorado	Feb. 3
Feb. 11	Wisconsin	Feb. 3
Feb. 11	Pittsburgh, Pa.	Feb. 3
Feb. 11	La Porte, Ind.	Feb. 3
Feb. 14	Bakersfield, Calif.	Feb. 3
Feb. 14	San Diego, Calif.	Feb. 3
Feb. 14	Los Angeles, Calif.	Feb. 3
Feb. 15	Clarence, Ia.	Jan. 3
Feb. 15	Newton, Ia.	Feb. 3
Feb. 15	Birmingham, Ala.	Jan. 20
Feb. 15	Greencastle, Ind.	Jan. 20
Feb. 15	St. Louis, Mo.	Jan. 20
Feb. 15	Santa Rosa, Calif.	Jan. 20
Feb. 15	Ventura, Calif.	Feb. 3
Feb. 15	Washington	Feb. 3
Feb. 15	Wisconsin	Feb. 3
Feb. 15	Ventura, Calif.	Feb. 3
Feb. 15	Emerson, Neb.	Feb. 3
Feb. 16	Thomasville, Ga.	Feb. 3
Feb. 16	Pittsburgh, Pa.	Feb. 3
Feb. 16	Burlington, Ia.	Feb. 3
Feb. 17	Virginia Adv. Feb. 3.	Feb. 3
Feb. 18	Kentucky	Dec. 16
Feb. 18	Two Rivers, Wis.	Feb. 3
Feb. 20	Birmingham, Ala.	Jan. 27
Feb. 21	Luling, Tex.	Jan. 27
Feb. 21	McKenzie, Tenn.	Jan. 27
Feb. 23	St. Louis, Mo.	Feb. 3
Feb. 24	Louisiana	Jan. 27
Feb. 24	Kenosha, Wis.	Jan. 13
Feb. 28	Northport, Ala.	Feb. 3
Feb. 28	Houston, Tex. Adv. Feb. 3.	Feb. 3
Mar. 1	Alabama City, Ala.	Jan. 27
Mar. 15	Duluth, Minn.	Feb. 3
Mar. 15	Minot, N. D.	Jan. 13
Apr. 15	Canton, O.	Feb. 3

Buildings—Commercial

Feb. 4	New York, N. Y.	Jan. 27
Feb. 4	Altoona, Pa.	Jan. 27
Feb. 4	Waynesboro, Pa.	Feb. 3
Feb. 5	Phila., Pa.	Feb. 3
Feb. 8	Rochester, N. Y.	Feb. 3
Feb. 8	Worcester, Mass.	Jan. 27
Feb. 8	Willow Grove, Pa.	Feb. 3
Feb. 9	Columbus, O.	Feb. 3
Feb. 10	Pembroke, Mass.	Feb. 3
Feb. 11	Boston, Mass.	Jan. 27
Feb. 14	Kenosha, Wis.	Feb. 3
Feb. 15	Ames, Ia.	Jan. 27
Feb. 15	Uhrichsville, O.	Feb. 3
Feb. 16	New York, N. Y.	Feb. 3
Feb. 25	Davenport, Ia.	Jan. 27
Mar. 15	Rochester, N. Y.	Feb. 3
Apr. 1	Wilmington, Del.	Jan. 27
Apr. 1	Canton, O.	Jan. 20
May 1	La Junta, Colo.	Feb. 3

Buildings—Industrial

Feb. 5	Louisville, Ky.	Feb. 3
Feb. 7	Marion, O.	Feb. 3
Feb. 7	Chagrin Falls, O.	Jan. 13
Feb. 9	Matteawan (mail Glenham), N. Y.	Jan. 20
Feb. 11	Westport, Conn.	Feb. 3

Buildings—Educational, Religious

Feb. 5	Westview, O.	Jan. 27
Feb. 7	Birmingham, Mich.	Jan. 27
Feb. 7	North Rose, N. Y.	Feb. 3

See proposal advertising on page 178

TRADE "LEADITE" MARK

Registered U. S. Pat. Office

Durable Pipe Joints

The wise man builds for the future. Supply lines and distribution systems are usually permanent installations.

Durability and quality should be the first consideration of the product used for making joints in cast iron bell and spigot water mains.

LEADITE is a good product and the leader in its field, because it has gained and retained the recognition, support and patronage of such a great number of water works men for so many years.

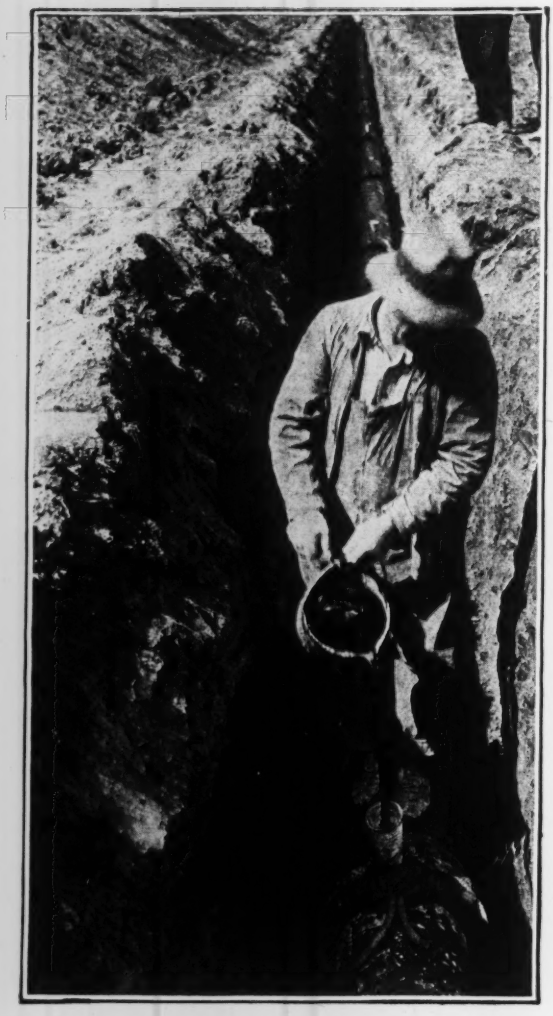
LEADITE has been tested and used for over 30 years, under all pressures and conditions, by water works, railroads, mines, contractors and industrial plants thruout the country.

Thousands of miles of pipe have been laid with LEADITE joints, on all sizes from 4 in. to 60 in. in diameter.

LEADITE takes the drudgery out of pipe laying; saves time, money and labor; makes flexible joints; makes joints which will stand vibration under tracks, over and under bridges; makes joints which resist electrolysis; eliminates large bell holes; reduces trench pumping and other work incidental to caulking—LEADITE requires no caulking.

Every water works man abreast of the times knows about LEADITE. LEADITE is an interesting and familiar topic at water works conventions and wherever water works men congregate.

The up-to-date water works man specifies and uses LEADITE.



Pouring LEADITE Joints on line of 12-in. c. i. bell and spigot water main.

LEADITE saves at least 75%

LEADITE is the pioneer self-caulking material for c. i. pipe

Be Sure It Is LEADITE and Accept No Imitations

THE LEADITE COMPANY, Inc.
1512 Land Title Building, Philadelphia, Pa., U. S. A.

NO CAULKING

Bids close		See Eng. News-Record
Feb. 8	L'Anse, Mich.	Jan. 20
Feb. 8	Ft. Valley, Ga.	Feb. 3
Feb. 8	Ames, Ia.	Feb. 3
Feb. 10	Fresno, Calif.	Jan. 13
Feb. 10	Bloomfield, N. J.	Jan. 20
Feb. 10	Farmington, Conn.	Jan. 27
Feb. 10	Stamford, Conn.	Feb. 3
Feb. 12	Cudahy, Wis.	Jan. 27
Feb. 14	Madison, Wis.	Jan. 27
Feb. 14	Bayonne, N. J.	Feb. 3
Feb. 15	Louisville, Ky.	Feb. 3
Feb. 15	Horseheads, N. Y.	Feb. 3
Feb. 17	Richmond, Ky.	Feb. 3
Feb. 23	New York, N. Y.	Jan. 27
Feb. 24	Whitewater, Wis.	Jan. 27
Feb. 25	Akron, O.	Jan. 27
Mar. 15	Zanesville, O.	Feb. 3
Apr. 1	Virginia, Minn.	Feb. 2
May 1	Monroe, Mich.	Jan. 13

Federal Government Work

Feb. 5	Removing Dredge—Wilmington, Del.	Jan. 20	Adv. Jan. 20 to Feb. 3.
Feb. 7	Tug—Mobile, Ala.	Dec. 16	
Feb. 8	Sewer—Fort Mott (mail Salem), N. J.	Jan. 27	
Feb. 9	Wharf—Fort Lafayette, N. Y.	Jan. 27	Adv. Jan. 27 and Feb. 3.
Feb. 9	Heating Equipment, etc.—Mare Island, Calif.	Jan. 6	
Feb. 10	Dredging, etc.—Alaska	Jan. 6	
Feb. 10	Mess Hall—Fort Wadsworth (mail Staten Island), N. Y.	Feb. 3	
Feb. 11	Dredge, etc.—Wash., D. C.	Jan. 20	
Feb. 14	Post Office and Courthouse—Syracuse, N. Y.	Jan. 13	
Feb. 14	Equipment—Syracuse, N. Y.	Jan. 20	
Feb. 18	Piping — Wichita Falls, Tex.	Jan. 27	
Feb. 21	Post Office—Sand Point, Idaho	Feb. 3	
Feb. 23	Radio Masts—Tatoosh, Wash.	Jan. 27	
Feb. 23	Post Office—Yonkers, N. Y.	Jan. 27	Adv. Jan. 27 and Feb. 3.

Bids close		See Eng. News-Record	
Feb. 23	Floor—Anacostia (sta. Wash.), D. C.	Feb. 3	
Feb. 23	Elevator Enclosure Doors—Wash., D. C.	Feb. 3	
Feb. 23	Boat House and Wharf—Jupiter, Fla.	Feb. 3	
Feb. 25	Post Office—Lewistown, Pa.	Feb. 3	
Feb. 25	Garage, etc.—Jupiter, Fla.	Feb. 3	
Feb. 26	Dynamometer Building—Dayton, O.	Feb. 3	Adv. Feb. 3.
Feb. 28	Post Office—Athens, Tenn.	Feb. 3	
Mar. 1	Hospital—Bedford, Mass.	Jan. 27	Adv. Feb. 3.
Mar. 2	Elevators—Mare Island, Calif.	Jan. 27	
Mar. 3	Storehouse—Boston, Mass.	Feb. 3	Adv. Feb. 3.
Mar. 10	Scout Cruisers, etc.—Wash., D. C.	Dec. 30	
Mar. 16	Buildings, etc.—San Diego, Calif.	Jan. 27	Adv. Jan. 27 and Feb. 3.

Unclassified

Feb. 7	River Terminal—Dubuque, Ia.	Jan. 13	
Feb. 7	Lighting System—San Antonio, Tex.	Jan. 20	
Feb. 7	Wharf Barge—St. Paul, Minn.	Jan. 27	
Feb. 8	Coaling Plant—Belleville, Ont.	Feb. 3	
Feb. 11	Bulkhead—New York, N. Y.	Feb. 3	
Feb. 14	Electrical Equipment—New York, N. Y.	Jan. 20	
Feb. 15	Turbo Generator, etc.—Hartford, Wis.	Feb. 3	
Feb. 15	Jail Work, Kitchen Equipment and Electric Light Fixtures—Miami, Fla.	Feb. 3	
Feb. 16	Fire House, etc.—Helmuth, N. Y.	Jan. 27	Adv. Jan. 27 and Feb. 3.

Bids close		See Eng. News-Record	
Feb. 22	River Terminal—Dubuque, Ia.	Feb. 3	
Feb. 23	Tunnel—Detroit, Mich.	Jan. 20	

Materials

Feb. 4	Rubble and Crushed Stone—Niagara Falls, Ont.	Feb. 3	
Feb. 7	Road Oil—Winona, Minn.	Jan. 20	
Feb. 7	Crossings, Frogs, Structural Steel, etc.—Phila., Pa.	Jan. 27	
Feb. 7	Lumber, etc.—Clarion, Ia.	Feb. 3	
Feb. 7	Lime, etc.—Long Island City, N. Y.	Feb. 3	
Feb. 8	Culvert Pipe, etc.—Elkador, Ia.	Feb. 3	
Feb. 8	Lumber, etc.—Sioux City, Ia.	Feb. 3	
Feb. 8	Lumber, Culvert Pipe, etc.—Independence, Ia.	Feb. 3	
Feb. 8	Lumber, etc.—Ida Grove, Ia.	Feb. 3	
Feb. 8	Lumber, etc.—Charles City, Ia.	Feb. 3	
Feb. 9	Lumber, Culvert Pipe, etc.—Burlington, Ia.	Feb. 3	
Feb. 9	Lumber, Culvert Pipe, etc.—Red Oak, Ia.	Feb. 3	
Feb. 9	Quicklime — Brooklyn, N. Y.	Feb. 3	
Feb. 9	Tar, etc. — New York, N. Y.	Feb. 3	
Feb. 9	Arch Brick—Baltimore, Md.	Feb. 3	
Feb. 10	Tar Oil—Indianapolis, Ind.	Feb. 3	
Feb. 11	Ties—Brooklyn, N. Y.	Feb. 3	
Feb. 11	Pipe—Columbia, S. C.	Feb. 3	
Feb. 15	Road Supplies—Ontario	Feb. 3	
Feb. 15	Condensers, Boilers, Stokers, etc.—Hagerstown, Md.	Feb. 3	
Feb. 15	Portland Cement—Minnesota	Feb. 3	
Feb. 16	Paving Materials—Pittsburgh, Pa.	Feb. 3	
Feb. 16	Crushed Stone—Williamstown, Ont.	Jan. 27	
Mar. 1	Tar, Asphalt, etc.—Iowa	Feb. 3	Adv. Feb. 3.

News of the Week

Waterworks

Proposed Work

N. J., Paulsboro—Mayor and Council plan improving waterworks, incl. 2 wells. $150,000. J. R. Moreland, Paulsboro, engr.

La., Crowley—Election Mar. 8, $120,000 bonds, improving waterworks and power plant.

La., Jackson—D. Stewart, et al Natchez, Miss., takes bids in February waterworks and distribution system; also electric power plant, incl. 200 k.v. unit and distribution system, here and serving several towns. $400,000 up. Private plans. Noted Dec. 16.

La., Shreveport—Election Mar. 8, $250,000 bonds, waterworks and sewer extensions, etc. H. E. Barnes, city engr.

Ky., Princeton—Soon takes bids general waterworks, incl. pumps, c.i. pipe, tank on steel tower, etc. Black & Veatch, 700 Mutual Bldg., Kansas City, Mo., engrs.

O., Columbus—Made plans 6 in. mains in Hamilton Ave., Hudson, Edwin, Reed and Mound Sts. $23,000. R. H. Simpson, city engr.

Ill., Dupo — Soon takes bids complete waterworks and distribution system, incl. 1 motor driven and 1 gasoline engine driven pump, 100,000 gal. tank on tower, 12 x 14 ft. brick pump house, and 32,000 ft. 10 in. c.i. mains. $125,000. Schwab & Sheppard, 15 Faulstich Bldg., Alton, engr.

Ill., Glencoe—Making plans 3 m.g. water supply system, incl. filtration. $300,000. Alvord, Burdick & Howson, 6 South Dearborn St., Chicago, engrs. Noted June 10.

Ill., Thebes—Soon takes bids complete waterworks and distribution system, incl. concrete river intake with 12 in. c.i. pipe, in Mississippi River, brick and concrete raw water pumping station, two 500 g.p.m. centrifugal pumps, 120,000 gal. coagulation basin, 40,000 gal. elevated tank, etc. $65,000. Caldwell Eng. Co., 36 North Side Sq., Jacksonville, engrs.

Ill., Thebes—Voted $89,000 bonds, complete waterworks, incl. intake, reservoir, settling basin, and distribution system.

Neb., Brainard—Election soon $20,000 bonds, wells, pumping equipment, tank on tower, and distribution mains. Grant, Fulton & Letton, 525 South 13th St., Lincoln, engrs.

N. D., Devils Lake—Voted $55,000 bonds, improving water supply. M. Olsen, city aud. Noted Jan. 13.

Mo., Carthage—See "Buildings Industrial."

Mo., Noel—Plans election $10,000-$15,000 bonds, complete waterworks and distribution system. Engineer not selected.

Tex., Austin—See "Unclassified."

Tex., Kosse—Voted $55,000 bonds, complete waterworks. Address Mayor. Noted Jan. 13.

Tex., Lewisville—Making plans complete waterworks. $62,000. J. F. Von Zuben, 611 Dan Waggoner Bldg., Ft. Worth, engr.

Tex., Nixon—Election Feb. 24, $70,000 bonds, complete waterworks. Address Mayor.

Okla., Maud—Election Feb. 15, $15,000 bonds new waterworks, incl. 9,000 ft. 2- to 6-in. c.i. pipe, deep well, etc. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Jan. 13.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.), according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

Colo., Denver—Plans 6 in. mains in 26th and West 1st Aves., Steele and Columbine Sts., $35,521; 24 in. mains in West 39th Ave., Vallejo and Kearney Sts., $159,990; 30 in. mains in Federal Blvd., Market St., and 9th Ave., $211,495; rebuilding Conduits 6 and 2 between Wynetka and city limits, $20,000; also 18,480 ft. 12 in. and 7,000 ft. 6 in. mains various locations, $96,362, etc.

Calif., Modesto—Plans 3,530 ft. 6- to 10-in. c.i. mains in various streets. F. J. Rossi, city engr.

Calif., San Bernardino — Making plans extending 5 mi. mains in Mountain Dist. recently annexed to city. W. Starke, supt. Water Dept.

Calif., San Luis Obispo—Making plans 117,000 lin.ft. 18 in. wood stave pipe line, concrete dam, 440 ft. long at top and 150 ft. long on bottom, 55 ft. high. L. W. Moore, city engr.

Que., Quebec — Plans extending waterworks, large c.i. mains, etc. $250,000. J. A. Tremblay, Quebec, engr. Noted Dec. 9.

Ont., Toronto—North York Twp. plans 8,000 ft. 6 in. and up mains in Water Area 2. $17,000 funds voted James, Proctor & Redfern, 36 Toronto St., engrs.

B. C., North Vancouver — Takes bids about Apr. 1, new waterworks, etc. $35,000. G. S. Hanes, Municipal Hall, Lynn Valley, engr. Noted Dec. 23.

B. C., Point Grey — Takes bids about Mar. 1, constructing water connections to houses, and purchasing water meters. $50,000. W. B. Greig, 5851 West Blvd., engr. Noted Jan. 13.

Bids Desired

Mass., Somerset—Feb. 8, by Town, c.i. pipe, valves and probably standpipe. To exceed $15,000. F. A. Barbour, 1119 Tremont Bldg., Boston, engr. This corrects report in Jan. 20 issue.

Mass., Springfield — Feb. 17, by Bd. Water Comrs. of Springfield Municipal Waterworks, Municipal Bldg., c.i. and centrifugally c.i. pipe, f.o.b. Armory. H. M. King, supt.; adv. E. N.-R. Feb. 3.

N. Y., Buffalo — Feb. 10, by B. Boyle, comr. Pub. Wks., Municipal Bldg., 1,068 tons 6- to 36-in. c.i. pipe, 63 tons 6- to 36-in. c.i. specials, 180 tons 6- to 12-in. iron body bronze mounted heavy hub end double gate valves, sixty 5 ft. hydrants, and two thousand five hundred ⅝ in. corporation cocks.

Pa., Pittsburgh—Feb. 17, by City Controller, electric motor-driven centrifugal pumps, controlling appurtenances, wiring and piping at Howard Pumping Station, Howard St. N. S. $110,000. Water Bureau, Dept. Pub. Wks., engrs.

Ind., Elkhart—Feb. 8, by Bd. Pub. Wks., Municipal Bldg., 1,400 tons or more c.i. pipe and specials.

Wis., La Crosse—Feb. 10, by C. C. Congdon, city engr., City Hall, 7,614 ft. 6 and 8 in. mains, 6,661 lb. c.i. specials, and 13 hydrants, for City.

Wis., Milwaukee—Feb. 8, by Dept. Pub. Wks., R. E. Stoelting, comr., three 400 hp.

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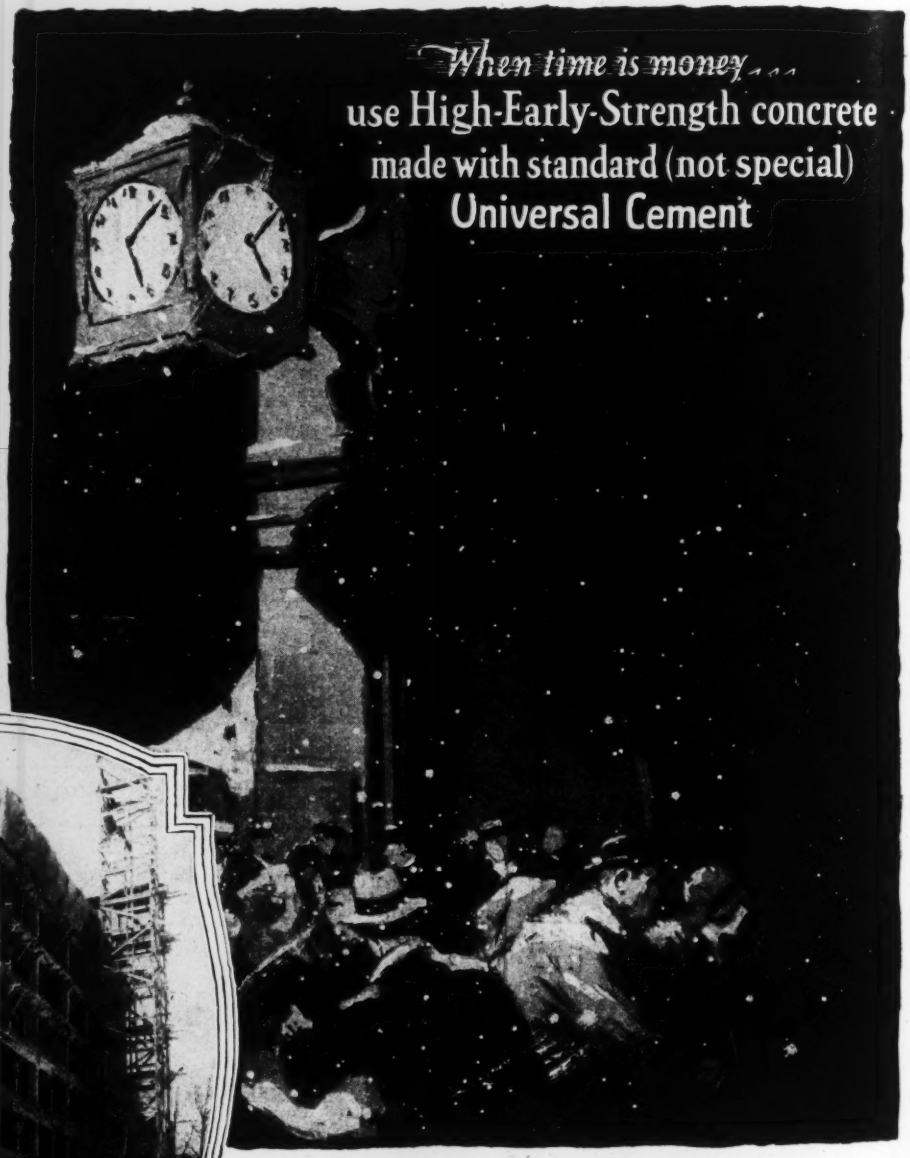

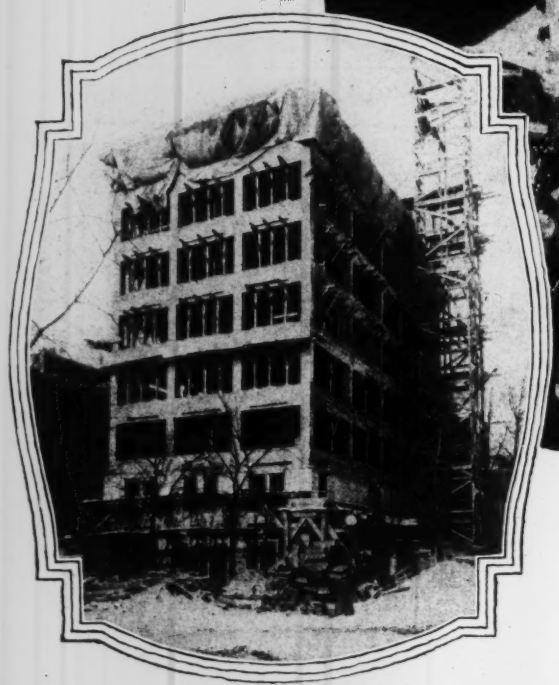

Ample labor, plentiful materials and earlier occupancy are some of the advantages of winter building. High Early-Strength *Universal* Concrete facilitates winter building and at the same time gives permanently *better* and *stronger* concrete.

UNIVERSAL PORTLAND CEMENT CO.
210 South La Salle Street, Chicago.

Without obligation, please send me detailed information on methods for securing strong concrete in 3 days with standard *Universal* [not special] cement, the same quality *Universal* regularly used.

Name .....

Address .....

ENR 2-3

Makes Winter Building More Practicable Than Ever

The main difference between winter and summer concreting is that in cold weather the materials must be kept warm and the concrete protected from freezing.

High-Early-Strength *Universal* Concrete, giving ordinary *28-day* strength in *3 days*, shortens the period of protection, hastens removal of forms and saves time and money.

High-Early-Strength concrete (which is also permanently *better* and *stronger* concrete) is made by using fully tested methods and standard *Universal* cement, which being standard—not special—sells at the regular price. The accompanying coupon will bring full details promptly.

Universal Portland Cement Co.

Chicago Pittsburgh Minneapolis Duluth Cleveland Columbus New York

Concrete for Permanence

Waterworks (Continued)

horizontal water tube boilers with furnaces, stokers, super-heaters, etc. for North Point Pumping Station.

Wis., Milwaukee—Feb. 10, by Dept. Pub. Wks., R. Stoelting, comr., improving and remodeling west engine room North Point Pumping Station. J. Schwada, City Hall, engr.

Wis., Wauwatosa—Feb. 11, by Bd. Pub. Wks., A. Brigham, secy., one hundred 6 in. and three 12 in. gage valves; fifty 5 in. fire hydrants; five hundred ¾ in. corporation cocks; five hundred 1 in. curb stops; eight hundred ¾ meter stops, one thousand six hundred meter couplings; and one hundred twenty-five 6 in. roadway boxes.

Ia. Jewell—Feb. 11, (extended date), by C. Y. Campbell, town clk., 75,000 gal. tank on tower; single stroke 80 g.p.m. 30 crank r.p.m. or double stroke 100 g.p.m. 30 crank r.p.m. deep well pump; 10 hp. 3 phase 220 volt 1,200 r.p.m. a.c. motor, etc. Henningson Eng. Co., 12th & Harney Sts., Omaha, Neb., engrs.

Minn., Minneapolis — Feb. 8, by F. S. Gram, city purch. agt., six 48 in. gate valves. N. W. Elsberg, city engr.

Tex., Fayetteville—Taking bids pumping plant, 100 ft. tower with 50,000 gal. tank, 1 well, 1 pump and 8 and 6 in. mains. $30,000. Address L. Heinsohn, Fayetteville, engr. Noted Jan. 13.

Calif., Proberta—Feb. 10, by Directors El Camino Irrigation Dist., 10 mi. concrete pipe lines with necessary pipes, gates and valves. O. R. Smith, Proberta, engr.

Bids Received

Mass., Boston—City, Supply Dept., water meters for Water Dept., from Union Meter Co., 33 Herman St., Worcester, $35,025.

N. Y., Long Island City—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, Jan. 28, mains in Bernett, Woolsley and 39th Aves., also Central, Austin, Caspian Sts., etc., from Wataga Contg. Co., 334 Lenox Ave., New York City, $8,200 and $12,700 respectively; in Skillman and 43rd Aves., from Paladino Contg. Co., 437 East 120th St., New York City, $6,843; also in Barclay, Nesmith Pl., from S. Gallucci & Son, 33 Railroad Ave., Corona, $11,169. Noted Jan. 27.

N. J., Wildwood—Diesel oil engine and equipment for waterworks, from Worthington Pump & Mchry. Co., North Amer. Bldg., Phila., Pa., vertical $23,588, and horizontal $16,984.

Wis., Milwaukee—Central Bd. Purchases, J. W. Nicholson, ch. buyer, City Hall, 200 fire hydrants, from R. D. Wood & Co., 400 Chestnut St., Phila., Pa., at $77 each; Dept. Pub. Wks., R. E. Stoelting, comr., coal scales, cages, and chutes, from Chain Belt Co., 736 Park St. $6,430; and three 400 hp. horizontal water tube boilers, etc., for Riverside Pumping Station, from Industrial Heating & Eng. Co., 490 Bway., **(a)** $125,900 **(b)** $127,670 and **(c)** $128,980. Noted Jan. 13.

Calif., San Diego—W. H. Cameron, city purch. agt., Southerland Dam, using **(a)** corrugated culverts or **(b)** cement culverts from Edwards, Wildey & Dixon, Union Bldg., multiple arch type, **(a)** $896,743 **(b)** $896,743; from Bent Bros., Inc., ambursen type **(a)** $1,248,619 **(b)** $1,248,910. Noted Jan. 6.

Contracts Awarded

Mass., Boston—Supply Dept., 500,000 lb. iron castings, etc., to Mechanics Iron Fdry. Co., 38 Kemble St., Roxbury, $0.0475 per lb. Noted Dec. 30.

Md., Baltimore—Mayor and City Council, c.i. pipe and fittings to Bureau Water Supply, to R. D. Wood & Co., 400 Chestnut St., Phila., Pa., $74,193. Noted Dec. 30.

Ky., Augusta—City Council, complete waterworks, incl. 16,000 ft. 4- to 8-in. c.i. mains, 30 hydrants, reservoir, pumps, motors, etc., to Corporation organized by Cole, Asire & Moore, engrs., 730 J. M. S. Bldg., South Bend, Ind., $38,000. Noted Jan. 20.

Ill., Chicago—For 200 tons 6 in. c.i. pipe, to Amer. Cast Iron Pipe Co., 388 South Dearborn St., at $43.70 per ton; 1,710 tons 8 in. c.i. pipe, U. S. Cast Iron Pipe & Fdry. Co., 122 South Michigan Blvd., $44.20; and 985 tons 12 in. c.i. pipe, to Glennmorgan Pipe & Fdry. Co., Lynchburg, Va. $44.20.

Ia., Council Bluffs—Pumping equipment, to DeLaval Steam Turbine Co., North Clinton St. and Pennsylvania R.R. tracks, Trenton, N. J., $23,817; 1 story, 48 x 64 ft., brick and concrete pumping station building, to Nelson & McMurray, Council Bluffs, $26,000.

Minn., Minneapolis—F. S. Gram, city purch. agt., 100 fire hydrants, to Columbian Iron Wks., 811 Boyce St., Chattanooga, Tenn., at $79.74 each. Noted Jan. 13.

Minn., St. Paul—A. E. Eggert, city purch. agt., 2,400 sections for stop boxes, and 300 sections for gate boxes, to Cochran-Sargent Co., 5th and Sibley Sts., $7,625. Noted Jan. 13.

Tex., Amarillo — Waterworks improvements, incl. 78,230 ft. c.i. mains, excavating and backfilling trench, to Gordon Constr. Co., Barclay Bldg., Denver, Colo., $33,621. Engrs. est. $35,000. This corrects report in Jan. 20 issue.

Tex., Childress—Waterworks extensions, etc., incl. 3 mi. 14 in. Class A and B c.i. pipe, 500,000 gal. filtration plant, 1½ m.g. reservoir, to Orman Constr. Co., Pueblo, Colo., $116,000. Noted Jan. 6.

Tex., Houston — Drilling 3 wells and supplying appurtenances to same, to Layne Texas Co., 6931 Harrisburg Blvd., $99,290. Engrs. est. $105,000.

Sewers

Proposed Work

Mass., Saugus—Town, C. H. Light, chn. com., Town Hall, making plans pumping station and sewerage system in Vine St. $25,000 or more. E. T. Hartman, Room 37, State House, Boston, engr.

N. Y., Syracuse—Made plans 24,000 ft. 8- to 27-in. concrete or vitr. clay sewers in North Eastwood Section. $115,000. N. F. Pitts, Jr., City Hall, engr.

N. J., Manasquan—Mayor and Council plans sewerage. $173,000. G. R. Moore, Manasquan, engr.

Md., Baltimore — Made plans rein.-con. pipe for sewerage and drainage. $80,000. M. J. Ruark, 311 Courtland St., ch. Bureau Sewers.

Md., Baltimore—Mayor and City Council making plans storm water drain in bed of Federal St. from Washington to Gay Sts. M. J. Ruark, 311 Courtland St., ch. Bureau of Sewers.

Va., Richmond—Plans sewer extensions and improvements. $500,000 appropriation requested. R. K. Compton, City Hall, dir. Pub. Wks.

La., Shreveport—See "Waterworks."

O., Berea—Made plans 2 mi. sewers in south and west side districts. Morris Knowles, Inc., Hanna Bldg., Cleveland, engrs.

O., Cleveland—Rejected bids Dec. 22, sewer in Sect. 2, East 82nd St. Noted Jan. 6.

O., Massillon—Bd. Control takes bids in spring, storm sewer in Akron St. north of Vogel St. $50,000. C. E. Rice, Massillon, engr.

Ia., Des Moines—Rejected bids Jan. 6, Northeast Sewerage System, Line 1, 19,839 ft. 10- to 30-in. outfall main sewers, and Line 2, 10,643 ft. 10 in. laterals. Will readvertise. A. S. Jones, City Hall, engr. Noted Dec. 30.

Ia., Lowden—Making plans disposal plant and 3 mi. 8- to 12-in. sanitary sewers in various streets. $45,000. H. R. Green Eng. Co., Bever Bldg., Cedar Rapids, engrs.

S. D., Sioux Falls—John Morrell & Co. making plans sewage treatment plant in east section of city. $25,000. A. A. Chenoworth, 226 Paulton Blk., engrs.

N. D., Williston—Voted $50,000 bonds, 8,500 ft. 10- to 66-in. storm sewers in various streets. W. H. Robinson, city engr. Noted Jan. 6.

Mo., Aurora—Soon takes bids sewers in various streets, and sewage disposal plant. To exceed $25,000. Black & Veatch, 700 Mutual Life Bldg., Kansas City, engrs.

Tex., Arlington—Election Feb. 26, $30,000 bonds, sewers in various streets. J. B. Hawley, 403 Cotton Exch. Bldg., Ft. Worth, engr.

Tex., Austin—See "Unclassified."

Tex., Nixon—Election Feb. 24, $30,000 bonds, sewerage. Address Mayor.

Tex., San Antonio—Plans extending 50,000 ft. laterals and 1½ mi. main sewer line from Sherman St. pumping station to Houston St., etc. $76,800. I. Ewig, city engr.

Tex., San Saba—Voted $75,000 bonds, sewerage and disposal plant. Address City Engineer. Noted Jan. 13.

Okla., Maud—Election Feb. 15, $29,000 bonds, disposal plant, and 15,500 ft. 8- to 12-in. vitr. clay sewers, etc., in all streets. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Jan. 20.

Calif., Alameda—Plans 5,418 ft. 4- to 8-in. sewers, etc., in various streets. B. Hamilton, city engr.

Calif., Los Angeles—Plans election $250,000 bonds, main and sanitary sewers, pumping plants, sewage collection system, etc. in Municipal Impvt. Dist. 46.

Calif., Red Bluff—Plans approximately 1.5 mi. 8 in. sewers in various streets. W. F. Luning, city engr.

Calif., Redwood City—Plans 88,200 ft. vitr. sanitary sewer, etc., in various streets. C. L. Dimmitt, city engr.

Calif., San Luis Obispo—Plans sewage disposal plant. To exceed $25,000. L. W. Moore, city engr.

Calif., Ventura—L. E. Hollowell, clk. Ventura Co., takes new bids in spring 900 ft. concrete storm sewer, etc., in various streets. Former bids rejected. C. W. Petit, Ventura, co. surv.

Calif., Ventura—Plans sewers in various streets, to exceed $25,000; also incinerator and sewage disposal buildings. C. W. Pierce, city engr.

Calif., Whittier—Plans sewage disposal plant. $50,000 or more. M. Bowen, city engr.

Ont., Oshawa—Plans installing concrete sewage disposal plant, activated sludge or Imhoff tanks. $50,000-$100,000. W. C. Smith, Municipal Bldg., engr.

Bids Desired

N. Y., Brooklyn—Feb. 9, by J. J. Byrne, pres. Brooklyn Boro, Boro Hall, temporary storm water drains in Kings Highway, Avenue P and Quentin Rd.; storm water and sanitary sewers in West 8th St.; sewers in Bliss Terrace, Avenue P, Crescent Pl., Alabama and 11th Aves., East 26th, East 54th, and 74th Sts., etc.

N. Y., Long Island City—Feb. 7, by M. E. Connolly, pres. Queens Boro Queens Subway Bldg., sewers in north and south sides Rockaway Blvd., Case Pl., Vandeventer, South Railroad, and Sanford Aves., 87th, and 37th, Sts., etc., and receiving basins in Metropolitan, 46th (Queens), Tiemann Aves., etc.

Md., Baltimore—Feb. 9, by Bd. Awards, manhole frames and covers, sewer inlet and similar iron castings to Bureau of Sewers, Material Contr. 62; and rein.-con. pipe Material Contr. 60. M. J. Ruark, 311 Courtland St., sewerage engr.

Ky., Sturgis—Feb. 16, by O. S. Pritchett, city clk., Court House, sewage disposal plant, 39,623 ft. 8- to 12-in. vitr. clay pipe, 82 manholes, 34 flushtanks, Imhoff tank, pump and chlorinator house, sludge filter, etc. Black & Veatch, 811 City Natl. Bank Bldg., Paducah, Ky., and 701 Mutual Bldg., Kansas City, Mo., consult. engrs. Noted Nov. 4.

Ga., Thomasville — See "Streets and Roads."

Fla., Fort Lauderdale—Feb. 21, by Mayor and Bd. City Comrs. at office B. J. Horne, city mgr., outfall sewer from sewage disposal plant. Solomon, Norcross & Keis, Fort Lauderdale, engrs.; adv. E. N.-R. Feb. 3.

Fla., Winter Park—Feb. 9, by City Council, 40,023 lin.ft. 8- to 24-in. clay or concrete sewerage, etc. N. A. Hotard, New Smyrna, engr.

La., Marksville—Feb. 15, by City, complete sanitary sewerage system and disposal plant. $50,000. H. A. Mentz, Hammond, engr. Noted Jan. 6.

O., Cleveland—Feb. 9, by Bd. Comrs. Cuyahoga Co., 8,500 ft. 8- to 72-in. concrete, vitr. clay and segmental sewer in Judson Blvd., Impvt. 505; and 5,000 ft. storm and sanitary sewer in Parma Park Blvd., Impvt. 118. F. Williams, Court House, Cleveland, engr.

O., Kenmore — Apr. 1, by Bd. Control, storm sewer in 25th St. from Highland Park School to Foust Rd. $124,000. D. Northup, Kenmore, engr.

Mo., St. Louis—See "Streets and Roads."

Calif., Los Angeles — Feb. 8, by A. S. Soule, secy. Los Angeles Co. Sanitation Dist. 1, Holmes-Willowbrook trunk sewer from 116th St. in Lynwood to Florence Ave., vitr. clay or machine made concrete pipe, etc. Former bids rejected. A. K. Warren, Law Bldg., engr. Noted Jan. 6.

Calif., Los Angeles — Feb. 9, by A. S. Soule, secy. Los Angeles Co. Sanitation Dist. 2, sanitary sewer from Joint Outfall Unit 3 to point 700 ft. west of Rice St., etc., 9,756 ft. 60 in. rein.-con. pipe 1,196 ft. 21 in. vitr. clay pipe, etc.; also Main trunk sewer to point in Los Angeles St. in connection with Joint Outfall Unit 3, 56 ft. 56 in. extra heavy rein.-con. pipe with vitr. clay liners in upper ⅔ rds., 10,047 ft. 6 ft. 6 in. rein.-con. semi-elliptical sewer, etc. A. K. Warren, Law Bldg., engr.

Calif., Los Angeles—Feb. 9, by A. S. Soule, secy. Los Angeles Co. Sanitation Dist. 5, 12,072 lin.ft. 42 in. rein.-con. sanitary sewer, etc., from Amestoy Ave. to Strawberry Aves. A. K. Warren, Law Bldg., engr.

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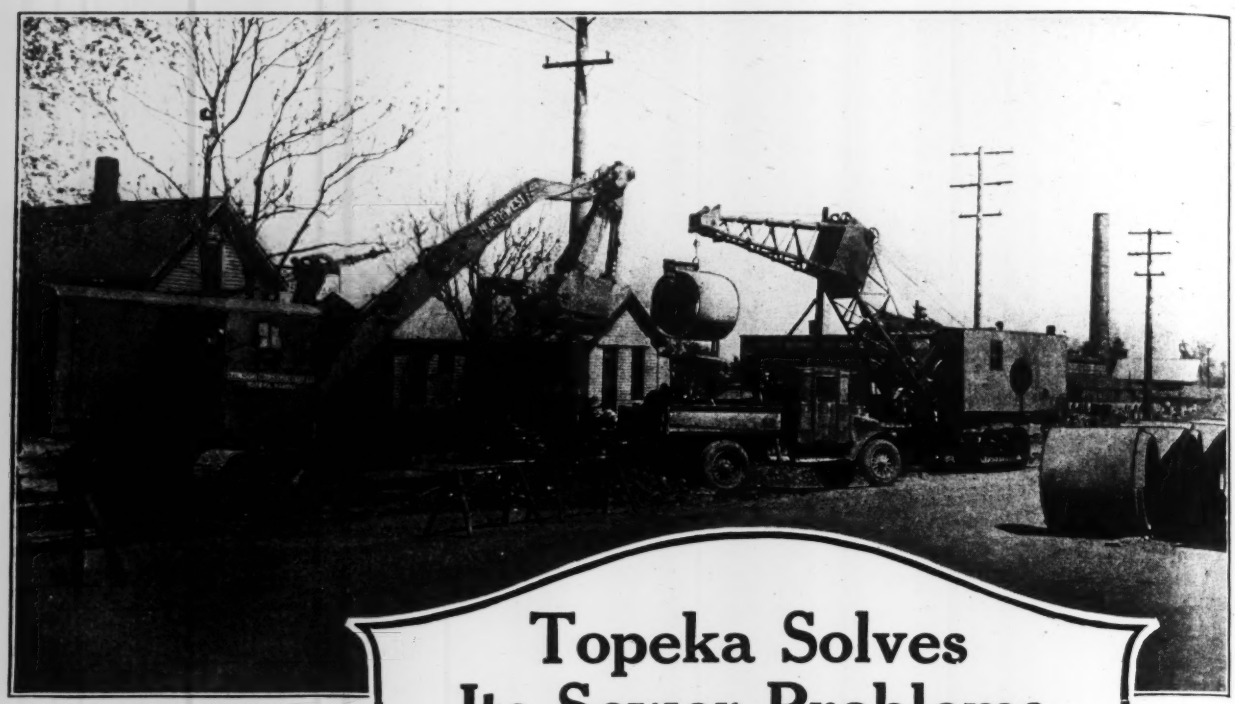

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Sewers (Continued)

Calif., Los Angeles—Bd. Pub. Wks. taking bids 41,294 ft. 8- to 12-in. vitr. sewers, etc., in Federal Ave. and Santa Monica Blvd.

Bids Received

N. Y., Buffalo—Dept. Pub. Wks., Municipal Bldg., Jan. 17, sewer in Whitehall Ave. between Abbott Rd. and point 1,080 ft. West, and Whitehall Ave. between McKinley Parkway and point 1,090 ft. East, from J. Ritzman, 84 Longview Ave., $2,550 and $2,750 respectively; in Ramsdell and Blum Aves., from L. Di Pasquale, 126 Erie St., $2,669 and $1,183 respectively; Reading Ave., from Moore-Thomas, $2,198. Noted Jan. 13.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, Jan. 26, sanitary sewer in Oakley Pl. and Liberty Ave., from J. Johnson Sons, 455 Bway., West New Brighton, $5,588 and $18,409 respectively. Noted Jan. 20.

Pa., Phila.—Dept. Pub. Wks., Bureau of Engineering, Jan. 19, from Mazzola & Morano, 739 South 7th St., main sewer in Duncan St. $28,768, and branch sewer in Randolph St. $8,045; from J. and R. Lombardi, Lincoln Bldg., main sewer in Erie Ave. $73,813, and Mansfield St. $129,405; from A. Di Sandro & Son, 6400 North 5th St., branch sewers in Alcott St. $5,545, and Sanger St. $4,078, from D. Delise and J. Nicoletti, 4842 Leithgow St., Algon St. $14,338, Ancker St. $3,510, and Granger St. $4,845, from Vattieri & Pontarelli, 523 Rising Sun Ave., Belgrade St. $2,819, Sanger St. $7,960, 21st St. $12,881, and Wyncote St. $10,174, from H. Pezagno, 907 South 13th St., Comac St. $2,714, and Harley St. $4,837, from J. Moss, 1652 Wakeling St., Carver St. $2,263, from F. R. Curtis, State and Unruh Rds., Comly St. $1,853, from Perna Eng. & Constr. Co., 739 South 8th St., Dunlap St. $14,526, from Garson & Garson, 1243 North 58th St., Frazier St. $5,328, from Sabatini & Vallone, 1720 South Chadwick St., Gibson St. $3,435, and 65th St. $4,054, from Leva Bros., 104 West Gale St., Haddington St. $12,946, and Jefferson St. $14,026, from F. T. Buckins, Jr., 4050 Kensington Ave., Janney St. $4,872, and Tulip St. $4,912, from A. Bonitabibus, 300 West Mt. Pleasant St. (Nippon) East Allen Lane $10,077, and Wadsworth St. $10,853, from F. Di Pasquale, 1215 South 7th St., Oakmont St. $18,000, from J. J. McHugh, 1617 Race St., Fike St. $4,101, from A. Mattia, 310 North 65th St., Rhawn St. $3,532, from A. Franzi, 513 High St., Roslyn St. $846, and from E. F. Bennis, 825 East Washington Lane, Smedley St. $5,914. Noted Jan. 13.

Calif., Los Angeles—From Chutuk, Kordick & Vukojevich, 860 Main St., El Segundo, sewers in Veteran Ave., 27,753 ft. 6 in. vitr. clay pipe $1.03 per ft., sanitary sewer complete $49,462, total $78,047; also from D. Salata, 2269 Cote Ave., improving Glendale Blvd., 7,481 lin.ft. curbing $0.46 per lin.ft., 3,420 sq.ft. guttering $0.23¾, 50,964 sq.ft. sidewalk $0.14, 94,090 sq.ft. 5 in. asphaltic concrete paving $0.18, 2,667 sq.ft. 3 in. asphaltic concrete paving $0.24, 4,489 sq.ft. 1- to 2-in. sheet asphalt paving $0.26, etc., total $308,001.

Contracts Awarded

N. Y., Brooklyn — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, to Wilcox & Stutz, Inc., 1723 Beverly Rd., sewer in Lorimer St., $169,475; to Tommassetti & Co., Inc., 1133 16th St., 96th St. $3,493, Dahlgren Pl. $6,267, and Lenox Rd. $4,823; to Manmill Contr. Co., 2035 Douglas St., Utica Ave., $7,599. Grand total $191,657. Noted Jan. 20.

Md., Baltimore — City Council, storm drains and sewers in various streets, Storm Water Contr. 101, to Pio Marocco, 638 South Linwood Ave., $74,699.

Ala., Birmingham—City Comn., J. W. Jones, Jr., pres., (*e.e. means engineers estimate*), to J. J. Goddard, 436 Powell Ave., vitr. clay, concrete and brick storm sewers in 10 blocks Sunnyside Section $16,283 e.e. $20,000, vitr. clay and concrete storm sewers in 1 block 17th St. N. $930 e.e. $1,200, and vitr. clay sanitary sewers in 6 blocks between Birmingham and Ensley $4,736 e.e. $5,200; also to A. H. Dimitian, Woodward Bldg., in 2 blocks South 33rd St. $559 e. e. $600. Grand total $22,508.

Miss., Macon—For 44,000 ft. 8 and 10 in. vitr. clay sewers, 106 manholes, 8 flush tanks, etc. in various streets, to Sullivan, Long & Haggerty, Bessemer, $41,275.

Miss., Pascagoula — See "Streets and Roads."

O., Akron—W. F. Peters, dir. Pub. Serv., constructing 10,960 ft. 8- to 30-in. sanitary sewer and house connections in Brittain Rd. et al, and 385 ft. 8- to 20-in. vitr. clay sewer, etc., in Willow Run 6, to T. E. McShaffrey Constr. Co., 173 South Forge St., $41,519 and $229,448 respectively, engrs. est. $46,400 and $208,700 respectively; 640 ft. 30 in. vitr. clay, 440 ft. 36 in. brick or segmental block, and 6,920 ft. trunk sewer outlet in Hawkins Ave. 4, to F. George, 1657 Mahoning Ave., Youngstown, $63,332, engrs. est. $17,000. Grand total $334,299. Noted Jan. 27.

O., Cleveland—J. E. Harper, dir. Dept. Pub. Welfare, Oak and 9th Sts., Columbus, sewage disposal plant at Hawthornden Farm of Cleveland State Hospital, near here, to Freeman & Jones, 5713 Euclid Ave., $46,700. Noted Jan. 13.

Minn., Mankato — City Council, 27,000 lin.ft. 8- to 24-in. sewers in various streets, to E. L. Royer Constr. Co., Valley Junction, Ia., $41,850. Noted Jan. 13.

Minn., Minneapolis—F. S. Gram, city purch. agt., various sized vitr. sewer pipe for 1927 season, to Red Wing Sewer Pipe Co., 614 Metropolitan Life Bldg. Noted Jan. 20.

Mo., Springfield—For 9,368 ft. 10 and 12 in. sewers in Dist. 6, Sect. 1, Cloud Addition, to E. V. Koch, 417 Joplin St., Joplin, $20,000; and 10,445 ft. 10 and 12 in. in Dist. 2, Sect. 44 between Mill and Cherry Sts. and Delaware and Greenstone Sts., to R. W. Langston, R.F.D. 3, Springfield, $16,986. Former contracts rescinded. Noted Jan. 20.

Okla., Tecumseh—New sewage disposal plant, and 41,100 ft. 6- to 12-in. sewers, etc. in various streets, to Sherwin Iron Wks., 18 East Main St., Oklahoma City, $61,367. Engrs. est. $70,000. Noted Oct. 21.

Calif., Los Angeles—Los Angeles Co. Sanitation Dist. 2, equipment (f.o.b. Compton) for activated sludge sewage treatment plant in Dist. 2, wood trash pumps, to Byron-Jackson Pump Mfg. Co., 412 South San Pedro St., $1,840; sludge pumps and 2 complete units for clarifier tanks, to Dorr Co., Central Bldg., $1,170, $7,505 respectively; Nash-Hytor compressor, blower unit, to Larimer & Laurer Co., 1824 South Hope St., $8,628. Grand total $19,143. Noted Jan. 6.

Calif., Los Angeles—Bd. Pub. Wks., sewer, etc. in Venice Blvd., to Cogo & Rados, 3274 Descanso Dr., approximately $174,945. Noted Jan. 27.

Calif., Los Angeles—Sewer in Mar Vista Ave., to A. Dalmatin & R. M. Nickevich, 841 West 62nd St., $234,059; Amherst Ave., to R. Metcalf, 1931 Commonwealth Ave., $89,500; and Veteran Ave., to P. J. Akmadjich, 821 Yale St., $79,568. Grand total $403,127. Noted Jan. 6 and 27.

Calif., Sacramento—H. G. Denton, city clk., pre-cast rein.-con. sewer, etc., in 1st unit of sewerage system, to J. E. Tempest, 1540 44th St., $154,370. Noted Jan. 20.

Waste Disposal

Bids Desired

N. J., Highlands—Feb. 28, by Mayor and Boro Council, incinerator plant, incl. building, radial brick chimney and 2 incinerator units, each having 15 ton p.d. capacity; or for incinerator plant, incl. building, radial brick stack and 1 incinerator unit of 25 tons p.d. capacity. U. G. Johnson, boro clk.; adv. E. N.-R. Feb. 3.

Contracts Awarded

R. I., Providence—City, W. E. Hartwell, City Hall, incinerator plant, to Decarie Incinerator Co., 342 Madison Ave., New York City. Engrs. est. $40,000. Noted May 2.

Bridges

Proposed Work

Mass., Chelsea (Boston P. O.)—City, Bd. Aldermen, plans new South Drawbridge. $68,000. Engineer not selected.

Md., Baltimore—Mayor and City Council making plans concrete and steel viaduct, Hanover St. B. Crozier, City Hall, engr.

La., Shreveport—Election Mar. 8, $500,000 bonds, rein.-con. viaduct, on Market St., and $300,000 bonds bridges, viaducts and widening various streets. H. E. Barnes, city engr. Noted Jan. 20.

Tennessee—State Dept. Highways & Pub. Wks., Nashville, plans bridge over Hiwassee River, between Decatur and Georgetown, Bradley and McMinn Counties. To exceed $25,000. C. N. Bass, highway comr.

Tenn., Celina—State Dept. Highways & Pub. Wks., Nashville, plans bridge over Cumberland River, Clay Co. near here. To exceed $25,000. C. N. Bass, highway comr.

O., Columbus—City Council plans issuing $175,000 bonds, rebuilding High St. viaduct R. H. Simpson, city engr.

O., Gallipolis—Gallia County Ohio River Bridge Co., Gallipolis, C. E. Holzer, pres., Holzer Hospital, and Mason County Ohio River Bridge Co., Point Pleasant, W. Va., W. A. Windsor, pres., made plans 1,400 ft. suspension bridge across Ohio river connecting state highway about 4 mi. above here, to Point Pleasant, W. Va. $800,000. C. E. Fowler, 25 Church St., New York City, N. Y., and C. T. Morris, Ohio State University, Columbus, O., engrs. Noted Jan. 13.

Ind., Goshen—Comrs. Elkhart Co. take bids about Mar. 15, new concrete bridges, at Elkhart and here. $300,000. W. S. Moore, South Bend, engr. Noted Jan. 20.

Wis., Milwaukee—Making plans repairing fender piling at various bridges. $25,000. J. Schwada, City Hall, engr.

Kan., Olathe—Johnson Co. plans one 50 ft. and three 70 ft. span steel bridge, on Federal Aid Project 246-E. E. J. Terrill, Olathe, co. engr.

Kan., Wichita—Making preliminary plans rein.-con. bridge, at Canal and Lincoln Sts. $25,000. P. L. Brockway, City Hall, engr.

Kan., Winfield—Cowley Co. soon takes bids six 20 x 20 ft. span bridges over Spring Creek; Sanford Bridge, three 8 ft. multiple box spans, 28 ft.; Rock Creek Bridges, nine 30 x 20 ft. deck girder spans; and five 30 x 20 ft. deck girder span bridge over Muddy Creek; also one 20 x 30 ft. deck girder span bridge over Pole Cat Creek, all on Federal Aid Project 230-D. B. Boyle, Court House, engr.

Mo., Joplin—Soon takes bids rein.-con. viaduct over St. Louis & San Francisco R.R. tracks, at Virginia Ave. and 6th St. $75,000 upwards. S. P. Ashcraft, Jr., City Hall, engr. Noted Oct. 14.

Ark., Cody (mail Hulbert)—State Hy. Dept., Little Rock, takes bids latter part February, two 30 ft. concrete approach, two 135 ft. and three 165 ft. steel and one 165 ft. steel lift span bridge across St. Francis River, in Bridge Dist. 2, on Project 183-E, Lee Co., near here. $260,000. D. L. Hemphill, c/o State Highway Dept., engr.

Tex., Canyon—See "Streets and Roads."

Tex., Carrizo Springs—See "Streets and Roads."

Tex., Clarendon — See "Streets and Roads."

Tex., El Paso—See "Streets and Roads."

Tex., Huntsville — See "Streets and Roads."

Tex., Panhandle — See "Stretes and Roads."

Tex., Sanderson—Southern Pacific R.R. Co., E. A. Craft, Houston, ch. engr.; will not construct 2 track rein.-con. trestle bridge across Sanderson Creek, near here. $150,000. Project dropped. Noted Jan. 20.

Wash., Everett—Comrs. Snohomish Co. authorized construction 126 ft. steel span bridge with 30 ft. and 50 ft. creosoted timber trestles, etc., over Squire Creek. $25,000. R. D. Alverson, co. engr.

Calif., Crescent City—Del Norte Co. plans election $100,000 bonds, bridge over Smith River, on Redwood Highway.

Que., Quebec—Plans concrete and steel bridge over St. Charles River, on Dorchester St. $133,000 funds voted. J. A. Tremblay, Quebec, engr. Noted Jan. 21.

Bids Desired

New York—Feb. 21, at office Westchester Co. Park Comn., 72 Pondfield Rd., Bronxville, constructing foundations and abutments for Peekskill Creek Viaduct, Bronx Parkway extension, near Peekskill, Contr. 141; and 2 stone faced rein.-con. bridges in Hutchinson River Parkway, on Weaver St., New Rochelle and Scarsdale, and on Old Mamaroneck Rd., Scarsdale, Contr. 121. J. Downer, ch. engr.; adv. E. N.-R. Feb. 3.

Pa., Pittsburgh—Feb. 17, by City Council, Mt. Washington Roadway Bridge, 500 ft. long, rein.-con., over Castle Shannon Incline and Sycamore St. $320,000. City Bureau of Bridges, Dept. Pub. Wks., engrs.

South Carolina—See "Streets and Roads."

Miss., Gulfport—Harrison Co. made plans and takes bids about Mar. 8, 138 x 12 ft. swing and 688 x 17 4/5 ft. pile approach span bridge across Back Bay, at Popps Ferry. $40,000. W. S. Hawkins, engr.

Wisconsin—See "Streets and Roads."

Arkansas—Feb. 28, by State Hy. Dept., Little Rock, one 165 ft. vertical lift, three 165 ft. and two 135 ft. fixed truss also two 30 ft. concrete approach span bridge over St. Francis River, on Federal Aid Project 183-E, near Marianna, Lee Co. D. H. Blackwood, chn.; adv. E. N.-R. Feb. 3.

Tex., Lubbock—See "Streets and Roads."

Wash., Hoquiam—Feb. 15, by State Hy. Comn., Olympia, 1,978 ft. bridge to have

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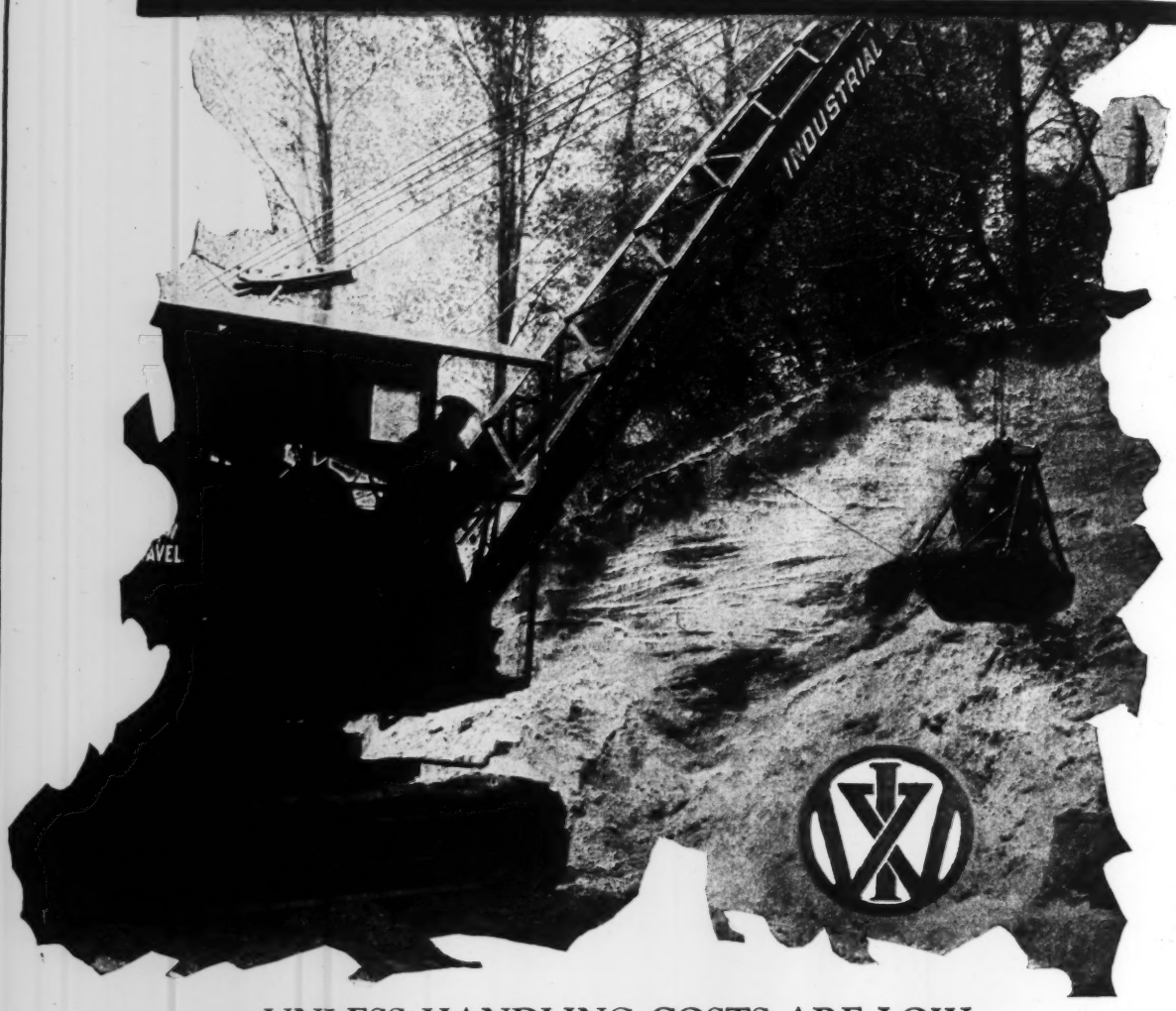
YOUR BANK BOOK IS AT STAKE!



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INDUSTRIAL WORKS, BAY CITY, MICHIGAN

Bridges (Continued)

etc. 200 ft. double leaf Strauss bascule, one 150 ft. and 120 ft. steel through, and three 61 ft. concrete T-beam spans, also 1,268 ft. treated timber trestle with concrete deck, etc., over Hoquiam River, at Simpson Ave., State Rd. 9, Grays Harbor Co., here, for City and State Hy. Comn. $350,000 funds available. J. W. Hoover, Olympia, highway engr. Noted Sept. 30.

Bids Received

Colorado—See "Streets and Roads."

Colo., Denver — Dept. Impvts. & Parks, Jan. 25, plate girder bridge with concrete foundation across South Platte River, at West 46th Ave., from M. E. Carlson, 617 Exchange Bldg., $55,738.

Contracts Awarded

Pa., Phila.—Dept. Pub. Wks., Bureau of Engineering, 6 track, 80 x 80 ft., steel plate girder bridge on concrete abutments, concrete floor on 1st St. under connecting railway tracks, to Kaufman Constr. Co., Penna. Bldg., $91,981. Noted Jan. 27.

Ia., Cedar Rapids—Linn Co., high truss bridge, to P. Jayne, Cedar Rapids, rock foundation design $24,145, piling foundation design. $19,294.

Ia., Harlan—Shelby Co., 3 span pony truss bridge, to B. J. Cole, Ames, $23,736. Noted Jan. 6.

Dams

Proposed Work

Mo., Piedmont — Black River Hydro-Electric Co., c/o Harrington, Howard & Ash, engrs., Orear Leslie Bldg., Kansas City, making surveys dam and power plant, here. Noted Dec. 16.

Bids Desired

Calif., Wheatland — Directors Camp Far West Irrigation Dist. taking bids and open same about Feb. 15, concrete dam on Bear River, near here. M. Polk, Chico, engr.

Contracts Awarded

Colo., Denver—Dept. Impvts. & Parks, construction work on Evergreen Dam, to New Mexico Constr. Co., 4015 Galapago St., $93,288.

Railways

Proposed Work

New York—See "Unclassified under Albany."

New York — See "Unclassified under Rensselaer."

Illinois—Minneapolis, St. Paul & Sault St. Marie Ry. Co., 1st Natl.-Soo Line Bldg., Minneapolis, Minn., E. A. Whitman, ch. engr., plans enlarging yards at Schiller Park, $525,000; constructing 52 mi. railroad in Chicago, $500,000; new sidetracks, and grade reductions in Chicago Dist. $200,000; and gravel ballasting 100 mi., $175,000, etc., here. Total $3,000,000.

Missouri—Kansas City Pub. Serv., Co., 1500 Grand Ave., Kansas City, plans approximately 2 mi. double track on Main St. between Prospect and 27th Sts., in Kansas City. Private plans.

Contracts Awarded

Illinois—St. Louis, Troy & Eastern R.R. Co., R. L. Brown, ch. engr., Merchants-Laclede Bldg., St. Louis, Mo., 7,400 ft. elevated steel trestle railroad approach on concrete foundation to carry railroad overhead through Madison and Venice, here, to Fruin-Colnon Contg. Co., Merchants-Laclede Bldg., St. Louis, Mo. Engrs. est. $1,000,000. Owner furnishes materials.

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

Illinois—District to be formed, c/o G. Peak, vice pres., Chamber Commerce, Winnetka, making preliminary plans 12 mi. drainage ditch with laterals to drain Skokie Valley in vicinity of Winnetka, Glenco and Highland Park. $1,000,000.

Wis., Milwaukee—Dept. Pub. Wks., R. E. Stoeiting, comr., plans dredging rivers and channels. $80,000.

Ia., Hawarden—Plans changing course of Dry Creek, incl. 3 mi. ditches, 2 railroad culverts, etc. $58,000. K. C. Gaynor, 527 Trimble Bldg., Sioux City, engr. Noted Dec. 9.

Tex., San Antonio—Soon takes bids 900 ft. rein.-con. and brick overflow channel, 70 ft. $600,000. S. F. Crecelius, 201 Torciso Dr., flood prevention engr.

Tex., Texas City—Texas City, c/o S. T. Walker, mayor, and Galveston Co (Galveston), E. B. Holman, judge, take bids about Feb. 10 (1st sect.) sea wall of earth embankment, 8 ft. high with paved boulevard on top, 24 blocks along Bay St. $420,000. H. J. Mikeska, city engr. C. C. Washington, Galveston, consult. engr. Noted Sept. 16.

Bids Desired

N. J., Deal—Feb. 17, by Bd. Boro. Comrs., C. Conover, clk., 6 jetties on Atlantic Ocean. J. Strollo, Long Branch, engr.

Ill., Alton — Feb. 8, by City, dredging 280,000 cu.yd. material from Mississippi River and placing same on River Front Park. J. E. Schwaab, city engr. Schwaab & Sheppard, 15 Faulstich Bldg., consult. engrs. Noted Sept. 2, under "Unclassified."

Minn., Crookston—Feb. 25, by Auditor Polk Co., Judicial Ditch 75, 22 mi. long, 24 ft. wide at bottom, 900,000 cu.yd. excav. $152,698. S. Steenerson, Crookston, co. engrs. Noted Oct. 7.

Tex., Brownsville—Feb. 12, by Cameron Co., c/o O. C. Dancy, judge, Water Impvt. Dist. 6, flood control work in Units 1 to 14, of Div. A, North Floodway, 8,000 acres clearing and grubbing, 3,000,000 yd. levee work, etc.; also Units 1 to 12, Div. B, Arroya Colorado Floodway, 700 acres clearing and grubbing, 2,000,000 yd. levee work, etc. Former bids rejected. W. O. Washington, Brownsville, co. engr.

Calif., Wheatland—See "Dams."

Que., Cap de la Madeleine—Feb. 17, by S. E. O'Brien, secy. Dept Pub. Wks., Ottawa, Ont., extending wharf, here. $65,000.

Que., St. Gedeon — Feb. 15, by S. E. O'Brien, secy. Dept. Pub. Wks., Ottawa, Ont., reconstructing wharf, here. $15,000.

Haiti, Port au Prince—C. W. Wolf, Jr., c/o Capt. F. H. Cooke, U. S. N. taking bids concrete wharf and dock construction, incl. concrete piles, hammers and pumps.

Contracts Awarded

Miss., Holly Springs—Red Bank Creek D. D., c/o Smith & Smith, attys., Holly Springs, 270,000 cu.yd. excav. and 40 acres clearing right-of-way, to G. S. Funk, c/o attorneys, at $0.10 per cu.yd.

Ark., Blytheville—D. D. 17 of Mississippi Co., redigging 2.5 mi. new ditches, and constructing 2.5 mi. new ditches, 350,000 cu.yd. excav. for drag line machines, to W. E. Callahan Constr. Co., 1220 Arcade Bldg., St. Louis, Mo.

Tex., Brownsville—A. W. Wood and associates, c/o 1st Natl. Bank Bldg., dredging, drainage system canals for irrigation project, near here, to Dodds & Wedegartner, San Benito, approximately $60,000. Noted Jan. 13.

Tex., San Benito — Texas South Coast Co., Inc., c/o J. A. Graham, dredging 9 mi. canal (of which approximately 1 mi. has been dredged), from Los Fresnos Resaco to Holly Beach on coast, also 1,800 ft. harbor construction, etc., with an island in center, located at farther point toward coast from 9 mi. canal (now under construction), to J. Ballinger, San Benito, approximately $100,000 and $35,000 respectively.

Streets and Roads

Proposed Work

N. Y., Syracuse—Making plans grading Atkinson, Rockland, Stolp, Hunt and Marguerite Sts., also sheet asphalt paving West LaFayette Ave. and Ross Park. $30,000. N. F. Pitts, Jr., City Hall, engr.

W. Va., Moundsville — Franklin Dist., election Feb. 15, $50,000 bonds, improving roads in Marshall Co. R. L. Motter, Moundsville, engr.

Miss., Columbia — Making preliminary plans grading, curbing, hardsurfacing, etc., various streets. $200,000. H. A. Mentz, Citizens Bank Bldg., Hammond, La., engr.

Miss., Gulfport—Harrison Co. soon takes bids removing 15,000 sq.yd. old penetration gravel; also grading, curbing, guttering, 1½ in. warrenite bitulithic or sheet asphalt paving 44,953 sq.yd., and 2 in. warrenite bitulithic or 3 in. sheet asphalt on 5 in. concrete paving 31,636 sq.yd., Beach Blvd., Beat 2. W. S. Hawkins Gulfport, co. engr.

Miss., Jackson—Hinds Co. plans election $600,000 bonds improving roads. Former election called off. H. C. Dietzer, Jackson, engr. Noted Nov. 25.

La., Shreveport—See "Bridges."

Tenn., Clinton—Anderson Co. voted $150,000 bonds, improving road from Knox County Line to Coal Creek.

Tenn., Columbia—Maury Co. and State Dept. Highways & Pub. Wks., Nashville, making surveys improving 12 mi. Columbia-Lewisburg Rd., State Road 50. C. N. Bass, highway comr.

Tenn., Huntsville—Scott Co. and State Dept. Highways & Pub. Wks., Nashville, making surveys improving 15 mi. Huntsville-Pioneer Rd. C. N. Bass, highway comr.

Tenn., Lewisburg—Election Feb. 8, $15,000 bonds, improving various streets.

Kentucky—State Hy. Dept., Frankfort, **(S. P. means State Project)**, soon takes bids grading, etc., 16 mi. Egners Ferry-Benton Rd., S. P. 1, Marshall Co., 7 mi. Kuttawa-Caldwell Co. line Rd., S. P. 10, Lyons Co., 20 mi. Morganfield-Shawnee Town Rd., S. P. 75, Union Co., 16 mi. Columbia-Burkesville Rd., S. P. 51 and 4.7 mi. Columbia-Greensburg Rd., S. P. 41, Adair Co., also 10 mi. Pleasureville-Frankfort Rd., S. P. 64½, Henry Co.; surfacing 4.7 mi. Owensboro-Stanley Rd., S. P. 8 and 5.9 mi. Maceo-Pates Rd., S. P. 8, Daviess Co., 4.1 mi. Elizabethtown-Leitchfield Rd., S. P. 12, Hardin Co., 3.5 mi. Paris-Georgetown Rd., S. P. 32, Bourbon Co., 12.35 mi. La Grange-Louisville Rd., S. P. 19½, Oldham Co., 4 mi. Walton-Nicholson Rd., S. P. 104, Kenton and Boone Counties, 9 mi. Somerset-Burnside Rd., S. P. 22, and 8 mi. Burnside-Monticello Rd., S. P. 27, Pulaski Co., 6 mi. Whitley City-Somerset Rd., S. P. 22, McCreary Co., and 2.55 mi. Carlisle-Moorefield Rd., S. P. 61-A, Nicholas Co. C. N. Bass, highway comr.

O., Akron—W. F. Peters, dir. Pub. Serv. takes bids in spring widening and sheet asphalt resurfacing, 14,890 sq.yd. South Arlington St. $91,000. E. A. Kemmler, Municipal Bldg., engr.

O., Akron—Comrs. Summit Co. take bids in spring, improving 2½ mi. Graham Rd., 3 mi. Cannon Rd., and 3 mi. Barberton-Greenwich Rd. H. C. Sours, Akron, engr.

O., Cincinnati—Plans curbing, grading, guttering and concrete repaving, etc. 29,300 sq.yd. Anthony Wayne Ave. incl. 6,750 lin. ft. 12- to 42 in. vitr. clay drain pipe $275,277, 2,900 sq.yd. Bickel, Mandery and Ley Aves., $29,664, and 4,300 sq.yd. Liddell St., incl. 5 tons c.i. pipe $35,137. C. O. Sherrill, City Hall, engr.

O., Cincinnati — Hamilton Co., plans grading, curbing, and concrete paving, etc. 4,600 sq.yd. approaches to viaduct over Pennsylvania R.R., on 1 C.H. 8. $81,505. E. A. Gast, Court House, engr.

O., Columbus—Making plans and soon takes bids grading and brick, cement or bituminous macadam paving, etc., 6,800 ft. 29th St., Lombard Alley, Willow and Ridge Ways, Circle and Dorman Drs; also grading, paving and widening 780 ft. 6th St., 4 ft. $87,000. C. S. Stevenson, city engr.

O., Marion—Bd. Control takes bids in spring, repaving West Center St. $60,000. T. S. Cathers, Marion, engr.

Ill., Galesburg — Plans grading, curbing, guttering and vitr. brick on 4 in. concrete paving 2 blocks Grove St. $14,423; and 3 blocks Monroe St. $16,058. A. L. Richey, City Hall, engr.

Ill., Oak Park—Bd. Local Impvts. soon takes bids asphalt paving Euclid Ave. and other streets, $500,000; making plans asphalt paving Marion Street System $246,000, and paving Harlem Ave., asphalt $47,800, rein.-con. $51,500 or $47,500. W. Thomas, City Hall, engr.

Ill., Vandalia—Soon takes bids grading, curbing and concrete or brick on concrete paving various streets. $100,000. J. C. Waddell, City Hall, engr.

Wis., Appleton—E. L. Williams, city clk., soon takes bids concrete curbing, guttering concrete, sheet asphalt or vitr. brick paving, etc. 26,724 sq.yd. 7 streets. R. M. Connolly, City Hall, engr.

Wis., Green Bay—W. L. Kerr, city clk., plans alternate types paving approximately 50,000 sq.yd. 11 streets. A. E. Kringel, City Hall engr.

Wis., Lake Geneva—F. A. Briegel, city clk., soon takes bids rein.-con. paving, etc. 15,000 sq.yd. various streets. To exceed $25,000. J. J. Skeels, City Hall, engr.

Wis., Lancaster—Grant Co. plans grading, crushed stone surfacing, etc., S. T. H. 61, McKimmey Hill, $40,000; S. T. H. 61, Sampson Hill, $29,000; and S. T. H. 132, Woodman-Mt. Hope Rd., $29,000. H. Mink, co. highway comr.

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Streets and Roads (Continued)

Wis., Oshkosh—Making plans rein.-con., sheet asphalt, plain concrete or asphaltic concrete paving 40,000 sq.yd. 10 streets. To exceed $25,000. G. H. Randall, City Hall, engr.

Ia., Anamosa—Making preliminary plans grading, curbing, concrete, brick, asphaltic concrete, warrenite bitulithic or asphaltic concrete paving 67 blocks various streets. H. R. Green, 208 Beaver Bldg., Cedar Rapids, engrs.

Ia., Montezuma — Poweshiek Co. voted $1,135,000 bonds, 6 in. concrete paving 24.5 mi. U. S. Road 32, graveling 19 mi. Primary Road 146, and 133 mi. other roads, etc. C. E. Olson, Montezuma, co. engr. Noted Dec. 23.

Ia., Onawa—Monona Co., making plans improving 5.5 mi. Turin-Castana Rd. $31,000. C. B. Zorn, Onawa, co. engr.

Ia., Sioux Center—Making plans 7 in. concrete paving 15 blocks various streets. H. Vander Stulp, city clk.

Minn., Moorhead—Clay Co., making plans 6 in. concrete paving Moorhead-Hawley Rd., Highway 2; and graveling Moorhead-Crookston Rd., Highway 6.

Kan., Clay Center—Made plans grading, etc., 7.943 mi. Federal Aid Project 385-A, 30 ft. J. L. Stevens, Clay Center, co. engr.

Kan., Great Bend — Rejected bids asphaltic concrete paving and brick resurfacing 33,625 sq.yd. various streets. Haskins & Crawford, 822 Finance Bldg., Kansas City, Mo., engrs. Will readvertise.

Kan., Kansas City—Made plans bituminous macadam or concrete paving 5.88 mi. road, 18 ft. O. K. Williams, Kansas City, engr.

Kan., Leavenworth — Leavenworth Co. soon takes bids grading, etc. 7.92 mi. Federal Aid Project 268-F, 28 ft. J. E. McCorkle, Court House, engr.

Kan., Newton—Harvey Co. making preliminary plans grading and concrete or brick on concrete paving 3.644 mi. and 0.333 mi. Federal Aid Projects 329-B and 189-A, 18 ft. R. J. Justice, Court House, engr.

Kan., Oswego—Labette Co. takes bids in late summer grading, paving, etc. 8 mi. Federal Aid Project 126-C 16 ft., bituminous macadam $178,000 or gravel $32,500. J. F. Grady, Court House, engr.

Kan., Salina—Saline Co. soon takes bids grading, etc., 8.543 mi. Federal Aid Project 374-A, 30 ft. W. H. Cost, Court House, engr.

N. D., Williston—Voted $100,000 bonds, 7 in. paving, etc., 42,000 yd. various streets. Total cost $125,000-$150,000 (80% special assessments). W. H. Robinson, city engr. Noted Jan. 6.

Mo., Farmington—Soon takes bids vibrolithic paving approximately 20 blocks various streets. Haskins & Crawford, 822 Finance Bldg., Kansas City, engrs.

Mo., St. Louis—Making preliminary plans grading and concrete paving approximately 16,300 sq.yd. Alleys in City Blocks 2,823, 3,602, 3,605, 4,016, 4,713, 4,892, 5,414, 5,651, 5,361, 5,783, 5,831, 5,873, 5,901 and 1,106. $44,860. W. W. Horner, 300 City Hall, engr.

Tex., Anderson — Grimes Co., making plans gravel and stone paving 13.89 mi. Highway 90, 18 ft. $138,000. O. A. Seward, Jr., Navasota, co. engr.

Tex., Arlington—Election Feb. 26, $25,000 bonds, paving various streets.

Tex., Austin—See "Unclassified."

Tex., Belleville—Austin Co. making plans rein.-con. paving 17 mi. Highway 36, 18 ft. $490,000. H. Schroeter, Belleville, co. engr.

Tex., Canyon—Randall Co. plans grading, bridging and concrete paving 5 mi. Highway 9, $180,000; also 19.4 mi. Highway 33, $645,000. L. O. Cox, Canyon, engr.

Tex., Carrizo Springs—Dimmit Co. making plans grading, bridging, etc., 9.56 mi. Highway 55, 26 ft. $79,000. G. Lott, Carrizo Springs, engr.

Tex., Carthage — Panola Co. making plans rein.-con. paving 1.91 mi. Highways 8 and 64, 18 ft. $56,300. D. E. Martin, Carthage, co. engr.

Tex., Clarendon—San Jacinto Co. plans grading, bridging and gravel surfacing 14 mi. Cold Springs-Old Waverly Rd. $197,000. J. E. Johnson, Clarendon, engr.

Tex., El Paso—El Paso Co. voted $100,000 bonds, grading and bridging 6.152 mi. Highway 6. Address E. B. McClintock, judge.

Tex., Halletsville — Lavaca Co. making plans waterbound macadam and 1 in. rock asphalt paving 10 mi. Highway 21, 18 ft. $250,000. W. H. Koether, Halletsville, co. engr.

Tex., Hillsboro—Hill Co., c/o O. Culberson, judge, voted $65,000 bonds, graveling and macadam paving highway in Blum Rd. Dist. Noted Jan. 17.

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Tex., Houston — Making plans paving 1,200 lin.ft. Texas Ave., $34,000; also curbing and paving 3,300 ft. Calhoun Ave., $108,000, both 52 ft. J. C. McVea, city engr.

Tex., Huntsville—Walker Co. making plans grading, bridging, etc. 14.1 mi. Highway 45, 26 ft. $134,500. D. K. Caldwell, Huntsville, co. engr.

Tex., Paducah—Cottle Co. voted $800,000 bonds, grading, paving, etc., highways. Address J. L. Whatley, Paducah, co. judge. Noted Jan. 6.

Tex., Panhandle — Carson Co. making plans grading, bridging, etc., 14.45 mi. Highway 33, 26 ft. $40,700. L. O. Cox, Panhandle, co. engr.

Tex., Seguin—Guadalupe Co., c/o J. B. Williams, judge, voted $550,000 bonds hard paving various roads. H. J. Cauldfield, co. engr.

Oklahoma—State Hy. Dept., Oklahoma City, making surveys grading, etc., 14 mi. State Highway 42, 30 ft., Seminole Co. $60,000. J. M. Page, highway engr.

Oklahoma—State Hy. Dept., Oklahoma City, making surveys grading, etc. 14 mi. Seminole Rd., State Highway 48, 30 ft., Seminole Co. $65,000. J. M. Page, Capitol Bldg., Oklahoma City, engrs.

Oklahoma — State Hy. Dept., Oklahoma City, made surveys grading, etc. 10 mi. State Highway 7, Caddo Co., 30 ft. $65,000. J. M. Page, highway engr.

Ok'ahoma—State Hy. Dept., Oklahoma City making preliminary plans and surveys grading, etc., 15 mi. State Highway 1, Cimarron Co., $65,000; 14 mi. Route 24, Jefferson Co., $70,000; and 14 mi. Frederick-Tipton Rd., State Highway 24, Tillman Co., $45,000, all 30 ft. wide. J. M. Page, highway engr.

Okla., Blackwell—Soon takes bids grading, curbing, concrete paving, etc. 13 blocks various streets. W. Ritzhaupt, Jr., City Hall, engr.

Okla., Oklahoma City—Voted $51,260 bonds, grading and paving 9 blocks Military Ave., 30 ft. B. M. Hart, City Hall. engr. Noted Jan. 13.

Okla., Oklahoma City—Plans grading and concrete paving 6,870 sq.yd. Louise and Catalpa Sts. $34,266. B. M. Hart, City Hall, engr.

Okla., Okmulgee—Plans grading, curbing and concrete paving 9,700 sq.yd. 16th St. $31,610. W. C. Halleck, Okmulgee, engr.

Okla., Seminole—Plans grading, curbing, guttering and concrete paving 10,800 sq.yd. West Bway. and 2nd St. $44,571. Long & Co., 1,300 Colcord Bldg., Oklahoma City, engrs.

Okla., Tulsa—Plans grading, curbing, guttering and sheet asphalt paving 5,400 sq.yd. Columbia Ave. $27,200. C. Schultz, City Hall, engr.

Calif., Alameda—Plans curbing, guttering, walks and macadam paving, etc., 224,322 sq.ft. various streets. B. Hamilton, city engr.

Calif., Colton—Plans probably 5 in. concrete paving portions F, G and H Sts. To exceed $25,000.

Calif., Los Angeles—Making plans concrete paving, etc., Marvin and Bangor Ave. Impvt. Dist., to exceed $50,000; and concrete paving, constructing sewer, etc., in Verdun Ave. and Roseland St. Impvt. Dist., to exceed $25,000.

Calif., Los Angeles—Plans extending Riverside Dr. from Los Feliz Blvd. to Victory Highway through Griffith Park. To exceed $100,000.

Calif., Los Angeles—Plans probably concrete paving McCadden Pl. between Santa Monica Blvd. and Romaine St., and paving, etc. Haverhurst Ave. between Saticoy and Victory Blvd. To exceed $50,000. J. Shaw, city engr.

Calif., Los Angeles—Plans curbing, guttering, sidewalks, sheet asphalt and asphaltic macadam paving, etc. Nordyke and Minnesota Sts. To exceed $25,000. J. C. Shaw, City Hall, engr.

Calif., Oceanside—Plans concrete paving and ornamental lighting system approximately 1 mi. The Strand between Wisconsin and 9th Sts.

Calif., Red Bluff—Plans alternate types paving 18 blocks various streets. To exceed $25,000. W. F. Luning, city engr.

Calif., Redwood City — Plans concrete curbing, walks and paving, etc., 779,000 sq.ft. various streets. C. L. Dimmitt, city engr.

Calif., San Diego—Common Council plans curbing and 5 in. concrete paving 230,923 sq.ft. 60th, 58th Sts., etc., 82,960 sq.ft. Reynard Way, Curlew and Upas Sts.; asphaltic concrete paving, etc., 75,624 sq.ft. Bancroft St., etc.; also grading, etc., 82,276 cu.yd. Coronado Ave. F. A. Rhodes, city engr.

Calif., San Rafael — Marin Co. plans grading, rock surfacing, etc., Bolinas and Olema Rd. from Randall Ranch to Olema, $60,000; and 1.8 mi. Bolinas Rd. from Fairfax to Pine Gulch Bridge. R. Messmer, San Rafael, co. surv.

Calif., Ventura—Plans contour roads in hills within city limits. To exceed $25,000. C. W. Pierce, city engr.

Calif., Ventura—Plans curbing, guttering, walks, paving, etc., approximately 8½ mi. various streets. C. W. Pierce, city engr.

Calif., Whittier—Plans paving various streets. $175,000-$200,000. M. Bowen, city engr.

B. C., Point Gray—Takes bids about Mar. 1, grading, etc. various streets. $50,000. W. B. Greig, 5851 West Blvd., Vancouver, engr. Noted Jan. 13.

Bids Desired

N. Y. Brooklyn—Feb. 9, by J. J. Byrne, pres. Brooklyn Boro, Boro Hall, grading, curbing and flagging Brooklyn Ave., 62nd and 73rd Sts.

Pa., Pittsburgh—Feb. 11, by City Controller, repaving Braddock Ave. between Susquehanna and Hamilton Sts. $25,000, and Soho St. between Center Ave. and Emmett St. $59,900; also grading, etc., Addison St. between Center Ave. and Reed St., $46,000. City Dept. Pub. Wks., City County Bldg., engrs.

Pa., Pittsburgh — Feb. 16, by Comrs. Allegheny Co., grading and concrete paving, etc., 834 ft. north approach to bridge over Monongahela River at Liberty Tubes. $35,000.

Virginia—Feb. 17, by State Hy. Comn., Richmond, improving roads and constructing bridges on Projects 134-D and E, 145-I, 259-B-1-C, 467-A and 471-A. C. S. Mullen, ch. engr.; adv. E. N.-R. Feb. 3.

South Carolina—Feb. 10, by State Hy. Dept., Columbia, plain concrete paving, etc. 8.3 mi. Route 21, Federal Aid Project 254-A, Greenville Co., and 8.4 mi. Routes 2 and 7, Federal Aid Project 75, Oconee Co., E. D. Sloan, Greenville, engr.; sand clay surfacing, etc. 6.1 mi. Route 40, State Project S-590-B, Horry Co., and 0.56 mi. Route 3, State Project S-651, Florence Co., H. G. Jones, Florence, engr., also 5.7 mi. Route 34, Project B-3-27, Kershaw Co. approaches to bridge over Big Sandy Creek, on Route 35, State Project S-643-B, Chesterfield Co., treated timber bridge on Route 121, State Project S-599-B Aiken-Lexington Counties, and triple 10 x 12 rein.-con. culvert over Beaver Dam Creek, on Route 16, Project 78-B, York Co., State Highway Engineer, Columbia, engr.

South Carolina—Feb. 10, by State Hy. Dept., Columbia, concrete paving, etc. 8.300 sq.yd. Route 15, Project 38-D Extension, Anderson Co. E. D. Sloan, Greenville, engr.

Ga., Thomasville—Feb. 16, by D. R. Hay, mayor, and City Council, City Hall, grading, curbing, sewers, guttering, concrete sidewalks and concrete, brick or asphalt paving 123,100 sq.yd. various streets. Robert & Co., Inc., Bona Allen Bldg., Atlanta, engrs. Noted July 22.

Ala., Northport—Feb. 28, by Town Council, grading, curbing, guttering and 7 in. concrete paving 9,324 sq.yd. Columbus St. L. F. Barnes, mayor.

Ky., Princeton—Feb. 14, by O. N Cartwright, city clk., City Hall, 17,000 ft. 8 in. c.i. pipe and specials two 350 g.p.m. motor driven horizontal centrifugal pumps for low service pumping, delivering against 194 ft. head, two 350 g.p.m. motor driven horizontal centrifugal pumps for high service pumping delivering against 175 ft. head, one 500 g.p.m. automobile type gasoline engine driven horizontal centrifugal pump 150,000 gal. tank on 110 ft. tower pump house, low service pumps, 17,000 ft. 8 in. c.i. pipe, 300,000 gal. concrete storage reservoir, addition to pump house, etc. Black & Veatch, 701 Mutual Bldg., Kansas City, Mo., and 811 City Natl. Bank Bldg., Paducah, engrs.

O., Canton—Apr. 15, by Bd. Control, vitr. block paving 3,400 ft. Serpentine Rd., 12th St. N. W., extension. W. E. Sarver, City Hall, engr. Noted Jan. 27.

O., Columbus—Feb. 9, by O. Moore, clk. Franklin Co., grading and rein.-con. or vibrated concrete paving, etc., 4,916 ft. Denver Ave., Harding Rd. 2, Virginialee and Edgewood Rds., all in Truro Twp., $51,900; also sheet asphalt on concrete paving 0.59 mi. Olentangy Blvd. 2, and Cooke Ave., in Clinton Twp., $68,900. Noted Dec. 30.

Ind., LaPorte—Feb. 11, by Bd. Wks., paving Tuesdell Ave., Weller and 1st Sts. $34,575. Address City Clerk.

Ind., LaPorte—Feb. 11, by Comrs. LaPorte Co., concrete paving 11,400 ft. M. Siegel Rd. $57,929. Address County Auditor.

Streets and Roads (Continued)

Ind., Vincennes—Feb. 8, by Comrs. Knox Co., constructing Geo. Kopp Rd. Widner Twp. $14,729; Geo. Kopp Rd. $13,058, and J. Dutton Rd. $13,058, both Washington Twp.

Wisconsin—Feb. 11, by State Hy. Comn., c/o T. W. Reilly, div. engr., Lancaster, and H. I. Shockley, highway comr. Lafayette Co. (Darlington), improving 2.01 mi. Argyle-Five Points Rd., S.T.H. 81, State Project 9157 between Station 280 and 123 A, entire project, 19,476 cu.yd. earth, 3,089 cu.yd. loose and 760 cu.yd. solid rock excav., 80.21 cu.yd. concrete in culverts 51 ft. 24 in. corrugated metal culverts, 94 guard fence posts, 310 cu.yd. concrete, 60,540 lb. structural and 2,170 lb. cast steel for 60 ft. plate. Bids taken on project as a whole or separately. J. T. Donaghey, Madison, ch. engr.

Wisconsin—Feb. 11, by State Hy. Comn., c/o T. W. Reilly, div. engr., Lancaster, and B. J. Kneeland, highway comr. Crawford Co. grading and gravel or crushed stone surfacing, etc. 19,217 cu.yd. Wauzeka-Bridgeport Rd., S.T.H. 60, Crawford Co., State Project 9234, Crawford Co. Bids taken on project as a whole or separately. J. T. Donaghey, Madison, ch. engr.

Wisconsin—Feb. 11, by State Hy. Comn., c/o T. W. Reilly, div. engr., Lancaster, grading, bridging and crushed stone surfacing 10,000 cu.yd. Federal Aid Projects 382-B, and 9199 Iowa Co., also State Project 9121 Lafayette Co. Bids taken on project as a whole or separately. J. T. Donaghey, Madison, ch. engr.

Wisconsin—Feb. 15, by State Hy. Comn., c/o O. C. Rollman, dir. engr., Nicolet Bldg., Green Bay, **(F.A.P. means Federal Aid Project)**, grading and concrete surfacing, etc. 49,727 sq.yd. Green Bay-Oconto-Marinette Rd., F.A.P. 392-B, Marinette Co.; 122,383 sq.yd. Green Bay-Oconto-Marinette Rd., F.A.P. 392-C, 6-S, 114-S, 257 and 271, Brown and Oconto Counties; and 20,222 sq.yd. Wausau-Shawano Rd., F.A.P. 441-A, Shawano Co. J. T. Donaghey, Madison, ch. engr.

Wis., Two Rivers—Feb. 18, by R. Biehl, city mgr., concrete paving, etc. 34,300 sq.yd. various streets.

Ia., Burlington—Feb. 16, at office Auditor Des Moines Co., grading, curbing, paving, etc., 138,054 sq.yd. U. S. 61. C. E. Waterhouse, Burlington, co. engr.

Ia., Clarence—Feb. 15, by H. W. Lohman, town clk., grading, curbing, guttering and 7 in. concrete paving 10,000 sq.yd. various streets. H. R. Green Co., 208-10 Beaver Bldg., Cedar Rapids, engr.

Ia., Newton—Feb. 15, at office Auditor Jasper Co., grading, paving, etc. 57,852 sq.yd. Federal Aid Project 64-A.

Minn., Duluth—Mar. 15, by G. P. Phillips, city. comr., rein.-con. on gravel paving 4,085 ft. Grand Ave., 30 and 38 ft. $58,076. J. Wilson, City Engineer's Office, engr.

Neb., Emerson—Feb. 15, by Town Council, alternate types paving 10 blocks various streets. $25,000. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, Ia., engrs. Noted Jan. 13.

Mo., Farmington—Feb. 9, by City Clerk, alternate types paving, etc. 20 blocks various streets. To exceed $25,000. Haskins & Crawford, 822 Finance Bldg., Kansas City, engrs.

Mo., St. Louis — Feb. 23, by Bd. Pub. Serv., 208 City Hall, granite curbing and rein.-con. paving 365 sq.yd. Brannon Ave. $21,000, 1,930 sq.yd. Compton St. $8,200, 1,065 sq.yd. Frederick St. $5,280, 4,590 sq.yd. Hamburg Ave. $26,800, 2,355 sq.yd. Herbert St. $10,120, and 23,430 sq.yd. Oleatha St. $13,000; asphalt paving 1,465 sq.yd. Oregon St. $10,280, 1,470 sq.yd. Harney St. $10,920, 1,275 sq.yd. Murdock St. $9,120, 2,815 sq.yd. Moellhenoff St. $21,000, and 1,730 sq.yd. Nebraska St. $11,000; asphaltic concrete paving 1,035 sq.yd. Graham St. $6,880; and 2,460 sq.yd. Magnolia St. $14,720; warrenite bitulithic paving 2,000 sq.yd. Lambdin St. $15,360; amiesite paving 5,325 sq.yd. Lynch St., $35,480; also 1,445 ft. 8- to 15-in. vitr. clay sewer in Macklind Ave. Dist. Sewer 2, $4,680, and 2,360 ft. 8- to 18-in. in Manchester Ave. Dist. Sewer 6. $8,000. W. W. Horner, 300 City Hall, engr.

Tex., Houston—Feb. 28, by H. L. Washburn, aud. Harris Co., concrete paving La Porte Rd.; adv. E. N.-R. Feb. 3.

Tex., Lubbock—Lubbock Co. taking new bids grading and bridging 14.468 mi. Highway 53, State Aid Project 716, Unit 1. $50,000. B. K. Garrett, resident engr. Noted Jan. 6.

Okla., Newkirk—Feb. 8, by L. A. Cann, comr. Kay Co., concrete slab surfacing 21,690 sq.yd. Blackwell-Kildare Rd. $48,000. W. H. Clarke, Newkirk, engr.

Okla., Snyder—Feb. 7, by C. H. Fauks, city clk., grading, curbing and concrete paving 14,220 sq.yd. Main St. $55,361. Gantt-Baker Co., 1116 West Main St., Oklahoma City, engrs. Noted Oct. 1, 1925.

Colorado—Feb. 11, by State Hy. Dept., Denver, grading 241,700 cu.yd. Federal Aid Project 287-C. Constr. Div. 1 and 2, Weld Co. L. D. Blauvelt, State Office Bldg., Denver, engr.

Washington — Feb. 15, by State Hy. Comn., Olympia, clearing, grading, etc., 25,000 cu.yd. State Rd. 12, Chinook River Dike, Pacific Co.; and 53,000 cu.yd. Toppenish Ridge-Loggy Creek Rd., State Rd. 8, Yakima Co. J. W. Hoover, Olympia, state highway engr.

Calif., Bakersfield—Feb. 14, by State Hy. Comn., Sacramento, 952 ft. sidewalk, consisting wooden walk, guard rail, and structural steel on bridge across Kern River, Kern Co., here. R. M. Morton, state highway, engr.

Calif., Los Angeles—Feb. 14, by Supervs. Los Angeles Co., oil and rock wearing surfacing 401,362 sq.ft. Connecticut St. $65,682. G. W. Jones, Hall of Records, engr.

Calif., San Diego—Feb. 14, by Common Council, curbing, walks and 5 in. concrete paving 77,271 sq.ft. Redwood, Columbia and Union Sts. F. A. Rhodes, city engr.

Calif., Ventura — Feb. 15, by Supervs. Ventura Co., grading, widening and macadam paving, etc., 110,000 sq.ft. Ojai Dist. C. W. Petit, Ventura, co. surv.

Calif., Ventura—Feb. 15, by Supervs. Ventura Co., grading and 5 in. macadam paving 109,900 sq.ft. Reeves Rd. C. W. Petit, Ventura, co. surv.

B. C., Vancouver—Feb. 7, by E. A. Cleveland, engr., 500 Beatty St., clearing 58 acres, clearing and grubbing 115 acres and close cutting 85 acres right-of-way from Seymour Creek, to Seymour Falls, for Greater Vancouver Water Dist. $100,000.

Bids Received

N. Y., Brooklyn — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, Jan. 26, grading, curbing and flagging East 38th St., from G. M. Mandato, 201 Neck Rd. $3,470, East 91st St. from Grimm Contg. Co., 8536 107th St., Richmond Hill $1,820, and West 33rd St., from C. A. Rich, 2266 Gravesend Ave. $6,623; grading and sheet asphalt paving Albany and Autumn Aves., from Uvalde Asphalt Paving Co., 1 Bway., New York City, $9,836 and $9,024 respectively, East 8th St., from M. J. O'Hara, 544 3rd Ave. $14,374, and Empire Blvd., from D. J. McCoy Asphalt Co., Avenue U and East 57th St. $21,874. Noted Jan. 20.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., Jan. 28, widening and sheet asphalt on concrete paving 5th Ave., from Asphalt Constr. Co., 2197 Madison Ave., $22,905. Noted Jan. 27.

Georgia—State Hy. Dept., East Point, concrete surfacing 2.28 mi. Atlanta-Macon Rd., Federal Aid Project 1-B, Henry Co., to Harper Winston Constr. Co., Montgomery, Ala., $55,747; 8.987 mi. Louisville-Augusta Rd., Federal Aid Project 377 and 370-B, Jefferson and Richmond Counties, to Dixon Contg. Co., 793 East St. Julian St., Savannah, $212,256; and 9.5 mi. Cordele-Valdosta Rd., Federal Aid Projects 146-A and 429-C, Tift Co., to Porter Constr. Co., Dothan, Ala., $212,403. Grand total $480,406.

La., Alexandria—City Clerk, vitr. brick on 5 in. concrete paving 4,000 sq.yd. De Soto St., from Thurber Contr. Co., F. & M. Bldg., Fort Worth, Tex., at $3.27 per sq.yd.; and 7 in. rein.-con. paving 3,600 sq.yd. Fisk St., from R. H. Baldwin, Parker City, Okla., $2.47 sq.yd. Noted Jan. 6.

Wis., Wausau—Bd. Pub. Wks., Jan. 27, from C. Lotz, 1016 Grand Ave., paving various streets, 27,614 sq.yd. concrete at $2.19 per sq.yd., rein.-con. $2.38, vibrolithic concrete $2.38, and 9,475 sq.yd. brick $2.82. Engrs. est. $90,000.

Colorado—State Hy. Dept., Denver, Jan. 20, grading and bridging 32,800 cu.yd. road east of Monument, on State Highway 1, El Paso Co., from W. A. Colt & Son, Las Animas, $34,966.

Wash., Seattle—Bd. Pub. Wks., Jan. 14, 6 in. concrete paving, etc. 16,000 sq.yd. 1st. Ave. W. et al, from J. B. Murphy, 356 Wheeler St., $38,762.

Calif., Burlingame—J. R. Murphy, city clk., Jan. 17, grading, curbing, guttering and 1½ in. Warrenite bitulithic on 4½ in. concrete surfacing 58,350 sq.ft. Alvarado Ave., Adeline Dr., etc., from Union Paving Co., Call Bldg., San Francisco, $28,312.

Calif., Los Angeles—From G. R. Curtis Co., 2440 East 26th St., improving Pleasant Ave., 4,200 lin.ft. curbing at $0.45 per lin.ft., 5,459 sq.ft. guttering $0.22, 946 sq.ft. sidewalk $0.18, 5,342 sq.ft. 1 course sidewalks $0.15, 4,468 sq.yd. 2 in. Willite sheet asphalt $0.12, 117,345 sq.yd. 6 in. Willite asphaltic concrete $0.20, etc., total $36,218; from Griffith Co., 503 Los Angeles Ry. Bldg., Banning Blvd., 3,776 lin.ft. curbing $0.55, 4,132 sq.ft. guttering $0.24, 18,031 sq.ft. sidewalk $0.13½, 262 sq.ft. 5 in. concrete paving $0.18, 104,333 sq.ft. 5 in. asphaltic concrete paving $0.154, etc., total $33,062; from G. W. Ellis, 1005 Kenneth Rd., Glendale, Kester Ave., 91 lin.ft. curbing $0.60, 186 sq.ft. guttering $0.25, 384,380 sq.ft. 6 in. concrete paving $0.18, 2,169 sq.ft. asphalt paving $0.25, etc., total $92,610; from McCray Co., Subway Terminal Bldg., Crestmore Pl. and Kenney St. Impvt. Dist., 7,146 lin.ft. rein.-con. integral curbing $0.50, 136 lin.ft. unplastered light curbing $0.50, 32,466 sq.ft. sidewalk $0.16, 96,445 sq.ft. 6 in. concrete paving $0.22, 1,200 sq.ft. rock and oil remodeling $0.15, etc., total $57,767. Noted Feb. 3

Calif., Santa Rosa—W. W. Felt, Jr., clk. Sonoma Co., Jan. 20, grading and concrete paving, etc., road from Forestville to Guerneville (Pocket Canyon Rd.), from Heafey-Moore Co., 344 High St., Oakland, $111,267.

Contracts Awarded

Mass., Boston — Sheet asphalt paving Gordon St. Ward 21, to S. J. Tomasello, 11 Cushing Terrace, Dorchester, $67,508.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., to C. Bennett Impvt. Co., 465 Fenimore St., Brooklyn, repairing and sewers in Nassau Blvd., $262,003; to O'Brien & Kurth, Inc., 8625 13th St., Jamaica, grading and sidewalks on 7th Ave. $2,586, and to Welsh Bros. Contg. Co., 14 Queens St., 74th St. $2,014, to W. J. Fitzgerald, 713 Vernon Ave., Archer Ave. $10,103, 73rd St. $14,005, and Crescent St. $6,002. Grand total $296,713. Noted Jan. 27.

Pennsylvania—State Hy. Dept., Harrisburg, 8 in. rein.-con. paving, etc. 16,046 sq.yd. Route 525, Application 4240, Cambria Co., to E. H. Brua, Hollidaysburg, $90,655; and 80,528 sq.yd. Route 469, Application 4349, McKean Co., to F. D. Ross, Bradford, $353,511. Noted Nov. 18 and Jan. 13 respectively.

Ga., Atlanta—Vibrolithic paving 4,535 sq. yd. Euclid Ave., to Meadon Constr. Co., 10 West Harris St., at $1.95 per sq.yd.; 1,433 sq.yd. May Ave., 1,070 sq.yd. Dewey St., and 1,869 sq.yd. Ollie St., to MacDougaid Constr. Co., 180½ Spring St., $1.98; also 4,311 sq.yd. Bedford Pl., and 1,982 sq.yd. Matthews Ave., to C. A. Pittman, 21 Airline Ave., at $1.98 and $2.01 respectively.

Ala., Birmingham — City Comn., J. W. Jones, Jr., pres., to Independent Paving Co., Amer. Trust Bldg., asphalt paving 3 blocks 66th St., 50 ft., $13,532 e. e. $14,000, bitulithic paving 3 blocks 75th St., 50 ft., $5,407 e. e. $6,100, and concrete-asphalt paving 5 blocks 1st Ave. S., 60 ft., $8,847 e. e. $9,100; to Southern Roads Co., Pioneer Bldg., asphalt paving 3 blocks 17th St. S., 60 ft., $10,666 e. e. $12,000, and 3 blocks Georgia Rd., 30 ft., $12,224 e. e. $13,000, to H. N. Bowdry, Alabama Power Co.'s Bldg., 2 blocks 14th St. and 1st Ave. S., 50 ft., $5,425 e. e. $6,000, and bitulithic paving 5 blocks Avenue S., 30 ft., $20,655 e. e. $21,000; to Henning & Bragan, Amer. Trust Bldg., concrete sidewalks on 10 blocks 3rd Avenue S., and 24th and 26th Sts. N., 4 ft., $2,948 e. e. $3,500. Grand total $79,704. Noted Dec. 16 and 23.

Miss., Bay St. Louis—Concrete sidewalks on 30,000 sq.yd. various streets, to J. L. Favre, Bay St. Louis, and W. D. Hays, Jackson, at $1.55 per sq.yd.

Miss., Grenada — Bd. Supervs. Grenada Co., improving 10.64 mi. road between Grenada and Calhoun City, Federal Aid Project 147-B, 63,711 cu.yd. excav., 51,505 cu.yd. borrow, excav., 747 ft. 18 in. culvert pipe, 51,685 lb. reinforcing, 5.83 sq.yd. Bermuda sod, etc., to S. B. Boyd, Columbia, $57,596. Noted Dec. 30.

Miss., Pascagoula—Jackson Co., grading, curbing, guttering, sewers and 7 in. concrete paving 23,600 sq.yd. various streets, to Hartman & Clark Bros. Co., 330 Peoria Life Bldg., Peoria, Ill., $57,630. Engrs. est. $65,000.

Miss., Ripley—Tippah Co., grading, etc., 7.813 mi. Ripley Rd., Supervisors Dists. 1 and 2, to Harvey Constr. Co., Holly Springs, $29,118.

O., Cincinnati—Grading, curbing, sidewalks, sheet asphalt repaving 4,700 sq.yd. and concrete repaving 1,950 sq.yd. Whetsel Ave., to W. Sullivan, 1368 Myrtle Ave., $40,754. Engrs. est. $43,834. Noted Jan. 13.

O., Lisbon—Comrs. Columbiana Co., improving with limestone aggregate in concrete mix 4.6 mi. Salineville-Summitville Rd., to Holmes Constr. Co., Wooster, $107,806. Engrs. est. $100,000. Noted Jan. 13.

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Streets and Roads (Continued)

Ind., Evansville — Comrs. Vanderburgh Co., concrete paving 7 mi. Voight Rd., to Globe Constr. Co., 6 West Side Bank Bldg., $206,000. Engrs. est. $252,679. Noted Jan. 20.

Ia., Iowa City—Johnson Co., to Harrison Eng. & Constr. Corp., 506 Mutual Bldg., Kansas City, Mo., improving various roads, 38,372 cu.yd. excav. at $0.40 per sq.yd., 4,000 sta. yd. overhaul $0.02, 153,385 sq.yd. paving $2.32, 33 intakes $100 each, 34 flume basins $75 each, 223 flume drains $2 each, and 1,290 ft. culvert labor at $0.50 and $0.60.

Minn., Minneapolis—A. P. Erickson, and Hennepin Co., grading 4 mi. Forest Lake Cutoff Rd., to J. J. and M. S. Mergens, 400 Temple Court Bldg., $31,750.

Kan., Independence — Montgomery Co., grading, etc. 6.65 mi. Federal Aid Project 199-E and F, to A. G. Sherwood, Independence, $48,895.

Ark., St. Louis—Grading, concrete paving, etc. 14 blocks Paving Dist. 23, to Phoenix Constr. Co., Homer, La., $52,142.

Tex., Amarillo—Potter Co., asphalt on gravel 25,000 sq.yd. Bivins Addition, to Amarillo Constr. Co., Amarillo, $40,572, engrs. est. $42,000; and brick paving 4th, Madison and 10th Sts., to Willmering & Mullen Constr. Co., Amarillo, $81,363, engrs. $87,500.

Tex., Wichita Falls—Paving with 5 in. concrete and 3 in. brick with asphalt wearing surface 7 blocks 4 streets, to West Texas Constr. Co., c/o Staley Bldg., $29,000. Noted Dec. 2.

Oklahoma—State Hy. Dept., Oklahoma City, sheet asphalt surfacing 61,220 sq.yd. Guthrie-Crescent Rd., Logan Co., to Ward-Beekman & Brooks, 1801 East 9th St., Oklahoma City, $118,722. Engrs. est. $125,000. Noted Dec. 9.

Okla., Cushing—Grading, concrete paving, etc. 10½ blocks East Bway. and Noble Sts., Paving Dist. 66, to T. Collins, Cushing, at $2.15 per sq.yd.

Idaho—Commissioner Pub. Wks., at office P. B. Wilson, dist. engr., Pocatello, concrete paving, etc. 1.137 mi. Yellowstone Park Highway, Federal Aid Project 78, Bannock Co., to O. Nelson, Logan, Utah, $37,009. Engrs. est. $37,447. Noted Dec. 30.

Nevada—State Hy. Dept., Carson City, grading and graveling 36,400 cu.yd. road point 6.66 mi. northeast of Lete Sale Works to Fanning, Lyon and Churchill Counties, to Nevada Contg. Co., Fallon, $277,858. Noted Jan. 6.

Arizona—W. C. Lefebvre, state engr., Phoenix, grading, etc. Bisbee-Douglas Highway, Federal Aid Project 79-C, to Laiblin & Hooker, Palo Verde, for State Hy. Comn., Phoenix. $36,599.

Wash., Ephrata—Comrs. Grant Co., grading and graveling 4 mi. Coulee-Soap Lake Rd., to Wilburn & Stone, 1100 Fairview Ave., $29,790.

Wash., Seattle—Bd. Pub. Wks., concrete paving 3,179 sq.yd. West Spokane St., and retaining wall at 29th Ave. S. W., to G. Nelson, Thompson Bldg., $25,377; and paving, etc., West 54th St., et al, to R. G. Stevenson, 1237 Northlake Ave. $136,950. Noted Jan. 27.

California—State Hy. Dept., Sacramento, grading and concrete paving 1.5 mi. road through Laguna Beach, Orange Co., to United Concrete Pipe & Constr. Co., Los Angeles, $59,533. Engrs. est. $67,101. Noted Dec. 9.

Calif., Los Angeles—Bd. Pub. Wks., grading, walks and concrete paving Central and Meadowbrook Aves., to Griffith Co., Railway Bldg., $71,995 and $71,230 respectively; also asphalt and concrete paving, etc. Tujunga Ave., to Fleming Constr. Co., 105 North Park Ave., Pomona, $56,651. Grand total $199,876. Noted Jan. 13.

Calif., Los Angeles—Curbing, walks, concrete and asphalt paving, etc. 161st St., to Curtis Paving Co., 2440 East 26th St., $54,793. Noted Jan. 13.

Calif., Los Angeles—Curbing, guttering, walks, asphalt and concrete paving Sepulveda St. between Palos Verde and Mesa Sts., to Warren Constr. Co., 2221 East 25th St., $35,465.

Calif., San Diego — Common Council, curbing, sidewalks, concrete and reinforced paving, etc. Playa del Sur, etc., to B. Noble, Spreckels Bldg., $61,857. Noted Jan. 27.

Calif., San Diego—Bd. Supervs. San Diego Co., to D. H. Ryan, Spreckels Bldg., improving Rd. Dist. 3, San Miguel and Lockwood Aves., etc., 275,005 sq.ft. 5 in. concrete paving $0.207 per sq.ft., 11,193 cu.yd. excav. $0.79, etc., total $121,046. Noted Jan. 13.

Calif., San Francisco—To Federal Constr. Co., Call Bldg., improving Vermont St., 8,575 cu.yd. excav. at $0.65 per cu.yd., 13,974 sq.ft. asphalt paving $0.27 per sq.ft., etc., total $35,729.

Calif., Whittier—For 7 in. concrete paving Washington Ave. between Bailey and College Sts., to B. W. Hicks, 2364 Atlantic Ave., Long Beach, $26,647.

Mexico and Texas—Mexican Government, c/o Highway Dept., Mexico City, Mex., plans paving highways radiating from 1,000 acre plot, of Laredo Downs Co., c/o J. W. Choate, Laredo, Tex., to International Bridge at River, between Laredo, Tex., and Nueva Laredo, Mex. $1,000,000. Noted Mar. 4.

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Buildings — Commercial

Proposed Work

Me., Ellsworth—RAILROAD STATION—Maine Central R.R., B. F. Wheeler, Portland, ch. engr., having sketches made R.R. station, High St., here. $150,000.

Me., Hinckley — CHAPEL — Good Will Home Assn., W. E. Hinkley, raising $150,000 funds, chapel. Private plans.

Me., Lewiston — HOTEL — G. E. Flagg Holding Co., 78 Main St., Auburn, having plans prepared 7 story and basement, 100 x 100 ft., rein.-con., brick and steel, plain foundation, Bates and Main Sts. $450,000. Private plans.

Me., Saco—THEATRE and STORE—Mutual Fire Insurance Co. having plans prepared by E. J. Bolton, Old Orchard, 1 and 2 story and basement, 100 x 110 ft., brick and steel, Thornton Ave. and Main Sts. To exceed $150,000

Me., Sanford—THEATRE—W. K. Emery, Washington St., having sketches made by P. Varney, 25 Exchange St., Boston, 1 and 2 story and basement, brick and steel, plain foundation, Mechanic St. To exceed $150,000. Noted Jan. 13.

Mass., Boston—MEMORIAL—Trustees Wells Memorial, J. S. Draper, chn. com., 16 State St., plans brick memorial, Tremont St. To exceed $150,000. Putman & Cox, 114 State St., archts.

Mass., Cambridge (Boston P. O.) — BANK — Cambridge Natl. Bank, J. W. Brook, 12 Orchard Ave., Waban, plans bank, Massachusetts Ave. $150,000 or more. Engineer and architect not selected.

Mass., Dorchester (Boston P. O.) — APARTMENT—Owner, c/o B. C. Gallo & Co., archts., 42 Maverick Sq., East Boston, plans 4 story and basement, brick and stone, here. $150,000.

Mass., Worcester — TEMPLE — Temple Emanuel Congregation, D. B. Isenberg, 390 Main St., plans temple. To exceed $150,000. Engineer and architect not selected.

Mass., Everett (br. Boston) — CITY HALL—City, L. B. Chisholm, mayor, City Hall, plans memorial city hall, Bway. $500,000. Engineer and architect not selected.

Mass., Hudson — THEATRE—Worcester Mutual Realty Co., J. C. Waxler, 390 Main St., Worcester, plans brick and steel theatre and office building. $200,000. Engineer and architect not selected.

Mass., Lawrence — BANK — Bway. Savings Bank, 522 Essex St., plans 1 story and basement, rein.-con., brick and steel, Essex and Hampshire Sts. $150,000. Engineer and architect not selected.

Mass., Malden (br. Boston) — APARTMENT—T. J. and A. E. Griffin, c/o C. F. Springall, archt., 84 Sprague St., having preliminary plans prepared 4 story and basement, brick, plain foundation, Salem and Mount Vernon Sts. $150,000.

Mass., Malden (br. Boston)—HOTEL—Owner, c/o French Real Estate Co., 6 Pleasant St., A. H. D. French, in charge, plans brick hotel. To exceed $150,000. Engineer and architect not selected.

Mass., Somerville (Boston P. O.)—SOCIETY—I. O. O. F., G. LaDollof, chn., 65 Highland Ave., having plans prepared by H. B. Alden, 15 Exchange St., Boston, brick, Highland Ave. $150,000.

Mass., Taunton — THEATRE — Park Theatre, Donavan Amusement Co., J. J. Donavan, pres., Bway., having preliminary plans prepared by J. E. Kelley, 31 West St., Boston, 1 story and basement, brick and steel, plain foundation, 30-32 Bway. To exceed $150,000.

Mass., Worcester—FIRE STATION — City, Mayor's Office, plans 2 fire stations, one at Grove and Forest Sts., and [illegible] at Sunderland Rd., and Lake Ave. $[illegible] 000. Engineer and architect not selected.

R. I., Newport — BANK — Aquidneck Natl. Bank & Savings Co., Thames and Green Sts., purchased 140 x 190 ft. [illegible] and plans bank, Colonial St. and Washington Sq. To exceed $150,000. Engineer and architect not selected.

Conn., Bridgeport—HOSPITAL—Jewish Community, H. Greenstein, chn. genl. com., raising $250,000 funds new hospital. Engineer and architect not selected.

Conn., Bristol—ARMORY—State of Connecticut, Military Dept., State House, Hartford, plans brick and steel armory, here. $175,000. Engineer and architect not selected.

Conn., Norwich — TEMPLE — Masonic Temple Corp., H. L. Stanton, pres., plans new masonic temple, Washington and Sachem Sts. To exceed $150,000. Engineer and architect not selected.

Conn., Stamford — COURT HOUSE — Fairfield Co. Comn., 172 Goldenhill St., Bridgeport, plans court house, here. $[illegible] 000. Engineer and architect not selected.

N. Y., Brooklyn—OFFICE—E. J. Coates, 59 Livingston St., having plans prepared by Slee & Bryson, 154 Montague St., 5 story, brick, steel and stone, plain foundation, 146 Remsen St. $500,000.

N. Y., Buffalo—GARAGE—Satuloff Bros., 176 Michigan Ave., having plans prepared 3 story, 150 x 200 ft., rein.-con. garage, Main St. $150,000. K. H. Plumer, 700 Main St., engr.

N. Y., Buffalo—THEATRE—N. Y. Constantine, c/o H. T. Spann, archt, 52 West Chippewa St., having plans prepared 2 story, 150 x 200 ft., rein.-con., brick and stone, Genesee St. $500,000.

N. Y., Flushing—THEATRE and STORE—Northern Blvd. Corp., J. B. Fuss, pres., c/o C. A. Sandblom, archt., 145 West 45th St., New York City, having plans prepared 1 story, brick, steel and stone, plain foundation, Northern Blvd. $350,000.

N. Y., New York—APARTMENT—Gernomi Constr. Corp., c/o G. G. Miller, archt., 1482 Bway., having plans prepared 6 story, brick, steel and stone, plain foundation, Walton Ave. $350,000.

N. Y., New York—AUTO and BUS TERMINAL — Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., plans rein.-con., brick and steel auto and bus terminal, plain foundation, 6th Ave. and 40th St. $1,000,000.

N. Y., New York—HOSPITAL—Bellevue & Allied Hospitals, foot East 26th St., J. McGrath, pres., soon takes bids brick, steel and stone, plain foundation, Crotona Ave. and Southern Blvd. $1,500,000. Starrett & Van Vleck, 393 7th Ave., archts. Noted Aug. 19.

N. Y., New York—HOSPITAL—Bronx Eye & Ear Infirmary, 459 East 141st St., having plans prepared by Starrett & Van Vleck, 393 7th Ave., brick, steel and stone, plain foundation, Grand Concourse and McClellan St. $700,000.

N. Y., New York—HOSPITAL—Lutheran Hospital of Manhattan, A. J. Shoneke, 343 Convent Ave., had plans prepared 5 story, brick, steel and stone, plain foundation, 181st St. and Bennett Ave. $1,000,000. Crow, Lewis & Wick, 200 5th Ave., archts. Noted Sept. 23.

N. Y., New York—HOTEL—M. Greenberg, c/o G. and E. Blum, engrs. and archts., 415 Lexington Ave., having plans prepared 21 story, 100 x 125 ft., brick and stone, plain foundation, 227 West 45th St. $3,500,000.

N. Y., New York—HOTEL—V. Green Co., c/o Emery Roth, archt., 1440 Bway., having plans prepared 15 story, 82 x 100 ft., brick, steel and stone, plain foundation, 105-109 East 21st St. $1,000,000.

N. Y., New York—LOFT and SHOWROOM—One Hundred Forty-Seven 35th Street Corp., A. Weinstein, pres., c/o Gronenberg & Leuchtag, archts., 1385 Bway., having plans prepared 18 story, 66 x 100 ft., brick, steel and stone, plain foundation, 147-151 West 35th St. $850,000.

N. Y., New York — SETTLEMENT HOUSE—Lenox Hill Settlement, House, 511 East 69th St., T. McLean, pres., soon takes bids 6 story, brick, steel and stone, plain foundation, 323 East 70th St. $380,000. F. P. Kelley, 244 Madison Ave., archt. Noted Nov. 11.

N. Y., New York — THEATRE — Two Hundred Forty-One West 42nd St., Inc., I. Zimmer, pres., 285 Madison Ave., having plans prepared by T. W. Lamb, 644 8th Ave., brick, steel and stone, plain foundation, 241 West 42nd St. $500,000.

N. Y., New York — THEATRE and APARTMENT — Roxy Theatre Corp., S. L.

Buildings—Commercial (Continued)

Rothafel, pres., 383 Madison Ave., having plans prepared by W. W. Ahlschlager, 65 East Huron St., Chicago, Ill., 20 story, brick, steel and stone, plain foundation, 53d St. and Bway., $10,000,000.

N. Y., Riverhead—HOTEL—W. Downey, Bayside, plans hotel, here. $350,000.

N. Y., Syracuse—APARTMENT—G. R. Gray, 620 West Onondaga St., having plans prepared 4 story and basement, 82 x 264 ft. apartment, 636 West Onondaga St. $200,000. Architect's name withheld.

N. Y., Rochester — APARTMENT — A. Rosen, 119 Conkey Ave., having sketches made by W. J. Fuchrer, 205 Clifford Ave., apartment house, University Ave. $700,000.

N. J., Elizabeth—HOTEL—Chamber of Commerce Hotel Corp., A. J. David, pres., having plans prepared by W. L. Stoddart, 50 East 41st St., New York City, for hotel. $1,500,000. Noted Oct. 28.

N. J., Margate City (mail Ventnor)—CLUBHOUSE—Atlantic City Beach Club, Atlantic Co. Trust Bldg., Atlantic City, having plans prepared by Zantzinger, Borie & Medary, Otis Bldg., Phila., Pa., 15 story and basement, 100 x 300 ft., rein.-con., brick and steel, plain foundation, here. $2,000,000.

N. J., New Brunswick—BANK—Citizens Natl. Bank, 362 George St., J. F. Mitchell, pres., plans 4 story, 42 x 150 ft. bank, George and Bayard Sts.

N. J., Westfield—APARTMENT—J. F. Dorval & Associates, Inc., 245 East Broad St., had plans prepared by C. H. Darsh, Post Office Bldg., Cranford, 3 story, brick, Prospect St. and Ferris Pl. $150,000.

Pa., Phila.—APARTMENT—S. Elgart, 5236 Parkside Bldg., takes sub-bids about Feb. 10, 4 story and basement, 60 x 125 ft., rein.-con., brick and steel, plain foundation, 4529 Spruce St. $300,000. Private plans.

Pa., Phila. — APARTMENT — L. Elgart, 5412 West Berks St., takes sub-bids about Apr. 1, 4 story and basement, 110 x 110 ft., rein.-con., brick and steel, plain foundation, 48th and Osage Sts. $300,000. J. S. Fuller, 20 South 15th St., archt.

Pa., Phila.—APARTMENT—D. Sorkim & Sons, 48th and Chestnut Sts., takes sub-bids about Apr. 1, 4 story and basement, 95 x 100 ft., rein.-con., brick and steel, plain foundation, Chester and Farragut Sts. $200,000. J. S. Fuller, 20 South 15th St., archt.

Pa., Phila.—APARTMENT—N. Libman, 1597 North 52nd St., takes sub-bids about Feb. 15, 4 story and basement, 47 x 170 ft., rein.-con., brick and steel, plain foundation, 42nd and Spruce Sts. $500,000. Private plans.

Pa., Pittsburgh—APARTMENT HOTEL—Webster Hall Corp., Webster Hall, having plans prepared by H. Hornbostel, Hardy & Hayes Bldg., 9 story and basement, 100 x 200 ft., brick, concrete and steel addition, Dithridge St. $1,500,000.

Pa., Sewickley — HOSPITAL—Sewickley Valley Hospital having plans prepared by Schmidt, Garden & Erickson, 104 South Michigan Blvd., Chicago, Ill., hospital, Blackburn Rd. $750,000.

D. C., Wash.—APARTMENT—H. Wardman, 1430 K St. N. W., having plans prepared 11 story, 113 x 156 ft., limestone and brick, 18th and G Sts. $1,500,000. Private plans.

D. C., Wash. — HOSPITAL — District Comrs., District Bldg., takes bids about Mar. 1, additions to Gallinger Hospital. $1,000,000. Noted Oct. 7.

D. C., Wash.—OFFICE—H. Wardman, 1430 K St. N. W., having plans prepared 11 story, 130 x 136 ft., limestone and brick, 15th and H Sts. N. W. $3,000,000. Private plans.

Va., Richmond—APARTMENT—Owner, c/o A. C. Bossom, 680 5th Ave., New York City, having plans prepared 12 story, brick, steel and stone, plain foundation, West Franklin St., here. $800,000. Owner's name withheld.

La., New Orleans — LABORATORY — State Bd. Health New Court House Bldg., having plans prepared by Jones, Roessler & Olschner, Maison Blanche Bldg., 4 story, 32 x 120 ft. brick and concrete laboratory.

La., Shreveport—AUDITORIUM, MARKET and MEMORIAL—Election Mar. 8, $500,000 bonds, for auditorium and World War Memorial; and $100,000 bonds, municipal market. H. R. Barnes, city engr. Noted Jan. 20 under "Bridges."

Miss., Hattiesburg — HOTEL and THEATRE—Chicago Syndicate, c/o Hattiesburg Chamber Commerce, T. S. Jackson, secy. and mgr., having preliminary plans prepared 7 story, concrete, brick and stone hotel and theatre building, here. $700,000.

Tenn., Chattanooga — WAREHOUSE — Chattanooga Terminal Warehouses, Inc., Z. W. Wheland, pres., Central Ave. and Belt R.R. tracks, plans (2 unit) general storage and cold storage warehouse. $750,000.

O., Akron—HOSPITAL and NURSES HOME—F. C. Warner & W. R. McCornack, archt. and engrs., Bulkley Bldg., Cleveland, take bids in spring 6 story and basement, 48 x 240 ft., brick and steel hospital, and 5 story and basement, 42 x 124 ft. nurses home, power house, etc., North Main St., here, for J. Schrembs, bishop, Cleveland. $800,000.

O., Cleveland—HOSPITAL—Charity Hospital, c/o J. E. Crew, East 22nd St. and Central Ave., having preliminary plans prepared by G. S. Rider Co., archts. and engrs., Century Bldg., 1 story additions to dispensary and chapel, new laboratory, and new 5 story nurses home, all foregoing, brick and steel, East 22nd St. and Central Ave. $1,200,000.

O., Cleveland—STORE and THEATRE—F. A. Foyle & A. Sondheim, 1456 East 17th St., having plans prepared by N. Petti, Williamson Bldg., 1 story and basement, brick and steel, Pearl Rd. and Memphis Ave. $150,000. Noted Nov. 4.

O., Cleveland—STORE, OFFICE, SUITE and THEATRE—Syndicate, c/o I. Miller, of Miller Becker Co., 6411 Central Ave., having plans prepared by A. F. Janowitz, 811 Prospect Ave., 2 story and basement, 127 x 140 ft., brick, steel and concrete, East 152nd St. and McCauley Ave. $225,000. Commodore Theatre Co., H. H. Lustig, pres., Williamson Bldg., lessee.

O., Cleveland — STORE, OFFICE and GARAGE — Syndicate, c/o W. J. Wefel, archt. and engr., 5716 Euclid Ave., having sketches made 12 story and basement, 130 x 330 ft., brick, steel and concrete store, office and garage. $2,000,000.

O., Cleveland — TRUCK TERMINAL — Croton Transportation Co., J. De Kaiser, pres., Guarantee Title Bldg., having preliminary plans prepared by S. H. White, 1032 Schofield Bldg., 4 story and basement, brick and rein.-con., East 40th St. and Croton Ave. $450,000.

O., Dayton — APARTMENT — Homes Constr. Co., 1003 Amer. Bldg., having plans prepared by Walker & Norwich, 1301 Amer. Bldg., brick, concrete and terra cotta, Salem Ave. $180,000.

O., Gallipolis—HOTEL—C. E. Holzer, Holzer Hospital, having sketches made by Snyder & Babbitt, 16 East Broad St., Columbus, 5 or 6 story and basement, 57 x 125 ft., fireproof, on River front. $200,000.

O., Springfield—TELEPHONE—Ohio Bell Telephone Co., 4300 Euclid Ave., Cleveland, having plans prepared by Mills, Rhines, Bellman & Nordhoff, 1234 Ohio Bldg., Toledo, 7 story and basement telephone building, South Spring St., here. $250,000.

Mich., Battle Creek—SANITARIUM—M. J. Morehouse, archt., 343 South Dearborn St., Chicago, Ill., soon lets general contract 15 story, 120 x 225 ft., brick and steel addition, here, for Battle Creek Sanitarium. $1,500,000. Noted Jan. 6.

Mich., St. Joseph—HOTEL—Hotel Whitcomb having preliminary sketches made by Pond, Pond, Martin & Lloyd, 6 North Michigan Ave., Chicago, Ill., 200 room hotel, Lake Blvd. and Ship St. $600,000.

Ill., Alton—CITY HALL—City, c/o City Clerk, takes bids in early spring 3 story, 65 x 120 ft., rein.-con., brick and stone, 3rd St. $200,000. N. S. Spencer & Sons, 25 East Jackson Blvd., Chicago, archts. Noted Jan. 27.

Ill., Belleville — HOSPITAL—Franciscan Order of Sisters of Charity, c/o St. Elizabeths Hospital, 328 West Lincoln St., having preliminary plans prepared rein.-con., brick and stone hospital. $500,000.

Ill., Chicago — APARTMENT — H. Costello, 6753 Stony Island Ave., had plans prepared by P. F. Olsen, 720 Cass St., and soon takes bids 6 story and basement, 75 x 125 ft., rein.-con., brick and terra cotta, Jeffrey Ave. near 68th St. $400,000.

Ill., Chicago—BANK and OFFICE—D. H. Burnham & Co., archts., 160 North La Salle St., soon take bids 8 story and basement, 75 x 175 ft., rein.-con., brick and stone, Madison St. and Crawford Ave., for Garfield Park State Savings Bank, 4004 West Madison St. $800,000. Noted Sept. 30.

Ill., Chicago—GARAGE and STORE—G. E. Holmes, 30 East Lake St., plans 14 story, 80 x 161 ft. garage and store building, 22-36 West Lake St. $2,000,000. Engineer and architect not selected.

Ill., Chicago—HOTEL—S. M. Robin, 901 West Roosevelt Rd., having plans prepared by H. Dalsey, 64 West Randolph St., 10 story and basement, 50 x 135 ft., rein.-con., brick and terra cotta, 6022 Winthrop Ave. $600,000.

Ill., Chicago—HOTEL—H. Glube, archt., 360 North Michigan Ave., prepared plans and soon takes bids 4 story and basement, 75 x 123 ft., rein.-con., brick and terra cotta, 3208-12 Sheffield Ave. $175,000. Owner's name withheld.

Ill., Chicago—LABOR TEMPLE—W. W. Ahlschlager, archt., 65 East Huron St., soon takes bids 5 story and basement, 77 x 150 ft., brick and stone, Ashland Ave. and Van Buren St., for Amalgamated Clothing Workers, 109 South Halsted St. $3,000,000. Noted Dec. 30.

Wis., Cudahy—CITY HALL—C. H. Wolbert, city clk., plans fireproof, Packard Ave. $200,000. Engineer and architect not selected.

Wis., Madison—ARCADE—J. Hobbins, 23 East Main St., having plans prepared by H. C. Huart, 2533 Gregory St., 2 story, rein.-con., brick and steel arcade building. $150,000.

Wis., Milwaukee — DEPARTMENT STORE—A. F. Schunk Co., 1095 Teutonia Ave., having plans prepared by Dick & Bauer, 208 3rd St., 3 story and basement, 87 x 120 ft., rein.-con. and brick, plain foundation, Teutonia Ave. $150,000.

Ia., Des Moines—EXCHANGE—Northwestern Bell Telephone Co., R. J. Hapley, dist. mgr., 924 Grand Ave., having preliminary plans prepared new exchange building. $1,000,000.

Ia., Sioux City — THEATRE and OFFICE—Francis Building Co., A. Sanford, pres., 307 Francis Bldg., rejected bids 4 and 7 story, 150 x 200 ft., rein.-con., brick, steel and terra cotta, 6th and Pierce Sts. $1,500,000. Will readvertise. C. W. and G. L. Rapp, State Lake Bldg., Chicago, Ill., archts. Noted Dec. 23.

Minn., Duluth — APARTMENT — M. M. Gasser, 2531 East 1st St., having plans prepared by C. H. Smith, archt. and engr., Torrey Bldg., 4 and 5 story, 86 x 128 ft., rein.-con., brick and stone, 4th St. and 1st Ave. W. $150,000.

Kan., Norton—COURT HOUSE—Norton Co., G. F. Hicks, clk., having preliminary plans prepared 3 story, concrete, brick and stone court house. $200,000.

Neb., Lincoln—BUSINESS—C. H. Brumbach, mgr., 517 Richards Blk., having plans prepared by Miller & Craig, 202 Midwest Savings & Loan Assn. Bldg., 7 to 10 story, 142 x 150 ft., rein.-con., brick and hollow tile, 8th and O Sts. $500,000.

Mo., Kansas City — GARAGE and WAREHOUSE — Kansas City Telephone Co., 11th and Oak Sts., had plans prepared and soon takes bids rein.-con. and brick, 34th St. and Roanoke Rd. $150,000. Private plans.

Mo., Kansas City—HOSPITAL—City having plans prepared by S. C. Gunn, Continental Bldg., 5 or 6 story and basement, rein.-con. and brick hospital for colored people, 27th and Michigan Sts. $300,000.

Mo., Poplar Bluff—HOTEL—C. C. Phillips, Milwaukee, Wis., having preliminary plans prepared by M. Laubis, 735 North 9th St., 8 story, basement and roof garden, 275 room, rein.-con., brick, steel and stone, College Hill, here. $500,000.

Mo., Springfield — MEMORIAL — Goad-Ballinger Post Amer. Legion, c/o G. C. Gibbs, Court House, making preliminary plans rein.-con., brick and stone memorial building. $350,000.

Mo., St. Louis—GARAGE—Southwestern Bell Telephone Co., 11th and Pine Sts., had plans prepared by I. R. Timlin, 1917 Southwestern Bell Telephone Bldg., 2 story, 90 x 100 ft., rein.-con. and brick, Chouteau and Tiffany Sts.

Ark., Texarkana — CITY HALL and AUDITORIUM—Election Feb. 23, $300,000 bonds, 3 story, rein.-con., brick and stone city hall and auditorium building. Witt, Seibert & Halsey, Texarkana Natl. Bank Bldg., archts. Noted Dec. 9.

Tex., Amarillo—THEATRE and OFFICE—T. L. Mitchell, had preliminary pkns prepared by Kerr & Walsh, 410 Amarillo Bldg., 2 story, brick, stone, and rein.-con., 4th and Filmore Sts. $200,000.

Tex., Amarillo—WHOLESALE—Amarillo Hardware Co., c/o E. W. Hardin, pres., 502 Polk St., purchased site and plans 4 story and basement, 120 x 140 ft., 6th and Grant Sts. $175,000. Engineer and architect selected soon.

Tex., Dallas—HOTEL—R. B. Ellifritz, Adolphus Hotel, had preliminary sketches made by Bryan & Sharp, archts. and engrs., 12 story, 50 x 90 ft., rein.-con., brick and steel top addition, Main St. $555,000.

Tex., Dallas—WAREHOUSE—Huey & Philp Realty Co., J. P. Kelly, had plans pre-

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Buildings—Commercial (Continued)

pared by Lang & Witchell, engrs. and archts., 303 Amer. Exch. Natl. Bank, 3 story and basement, 200 x 400 ft., irregular shaped, Griffin St. $350,000.

Tex., Dallas—APARTMENT—Churchill-Humphrey Constr. Co. (contractors), Magnolia Bldg., soon lets contract brick work for 7 story, 68 x 170 ft. rein.-on. and brick apartment, Oak Lawn Ave., for Argyle Apartments Corp., D. Humphrey, pres., 207 Magnolia Bldg. $400,000. L. H. Rapier, engr., and J. L. Bathwell, archt., both 207 Magnolia Bldg.

Tex., Hereford — CITY HALL — Plans election approximately $250,000 bonds, city hall. F. S. Ireland, mayor.

Tex., Houston—AMUSEMENT—O. W. Hinds & Co., Post Dispatch Bldg., having plans prepared by Briggs, Wiggins & Brickley, 611 Natl. Bank Bldg., 1 and 3 story, 250 x 350 ft., steel and stucco, Main St. $500,000.

Okla., Oklahoma City—OFFICE—Southwestern Bell Telephone Co., 11th and Pine Sts., St. Louis, Mo., takes bids about Apr. 1, 9 story (ultimately 16 story), and basement, 100 x 140 ft., rein.-con., brick and stone office building, $600,000. I. R. Timlin, c/o owner, and Layton, Hicks & Forsyth, 908 Braniff Bldg., archts. Noted July 22.

Ore., Portland—APARTMENT—H. Mittelman, 380 East 27th St. having plans prepared by E. G. Cash, Ry. Exch., 5 story, 100 x 100 ft. apartment, 12th and Montgomery Sts. $350,000.

Ore., Portland — HOTEL — Multnomah Hotel Co., Spalding Bldg., having plans prepared by DeYoung & Roald, Spalding Bldg., 5 story, 100 x 100 ft. hotel, 12th and Main Sts. $300,000.

Calif., Los Angeles — GARAGE — Auto Parking Terminals Co., c/o Walker & Eisen, archts., Western Pacific Bldg., having plans prepared 12 story and basement, 120 x 165 ft., rein.-con., Grand Ave.

Calif., Los Angeles—APARTMENT—W. E. Chadwick, archt., Union League Bldg., prepared preliminary plans 4 story and basement, brick or concrete, Wilshire Dist. $150,000. Owner's name withheld.

Calif., Los Angeles—APARTMENT—C. Day, 2559 26th St., had plans prepared by W. W. Smith, 1242 Kensington Ave., 4 story and basement, brick, stucco and cast stone, New Hampshire Ave. $150,000.

Calif., Los Angeles—APARTMENT—I. Stone, 1528 West Adams St., having preliminary plans prepared by L. A. Meeks, 2614½ Juliet St., 10 story and roof garden, rein.-con., West Adams St. between Juliet and Budlong Sts. $1,000,000.

Calif., Los Angeles — APARTMENT — Corporation now in process of organization having plans prepared by C. C. Frye, 406 Grosse Bldg., 4 story and part basement, 68 x 150 ft., rein.-con., Flower St. near 20th St. $175,000.

Calif., Los Angeles—THEATRE—Lowe & Le Grand, c/o C. F. Plummer, archt., Story Bldg., having plans prepared 80 x 160 ft., brick and steel, Whittier Blvd. near Duncan St. $150,000 or more.

Calif., Los Angeles—THEATRE—United Artists Theatre Corp., 922 South Olive St., take bids after Feb. 1, 12 story and basement, 50 x 150 ft., rein.-con. and terra cotta Bway. between 9th and 10th Sts. $1,000,000. Walker & Eisen, Western Pacific Bldg., archts. Noted Nov. 11.

Calif., Oakland—APARTMENT—R. D. Cashatt, 314 Dalziel Bldg., having plans prepared by D. M. Crooks, Thayer Bldg., 4 story, concrete, Clarke and Claremont Sts. $150,000.

Calif., Oakland—BANK and OFFICE—Bank of Italy Bldg., San Francisco, purchased site and having plans prepared by H. A. Minton, Bank of Italy Bldg., San Francisco, fireproof, 14th and Bway. Sts., here. To exceed $150,000.

Calif., Pittsburg—THEATRE and HOTEL—F. H. Meyer, archt., 742 Market St., San Francisco, having plans prepared 3 story, rein.-con. theatre and hotel, here. $150,000. Owner's name withheld.

Calif., San Francisco—APARTMENT—L. Hoffman, 1541 Howard St., having plans prepared by Eng. Dept. of Golden Gate Iron Wks., 1541 Howard St., 14 story and basement, steel and rein.-con., O'Farrell and Franklin Sts. To exceed $250,000.

Calif., Santa Barbara—HOTEL—A. L. Richmond, c/o J. M. Cooper, archt., Rives-Strong Bldg., Los Angeles, having plans prepared 6 story and basement, rein.-con., on Arlington Hotel site. Noted June 10.

Calif., Santa Monica—STORE and OFFICE—Mutual Shares Properties, Inc., c/o M. E. Durfee, archt., Comm. Exch. Bldg., Los Angeles, had plans prepared 12 story and basement, 100 x 150 ft., rein.-con. and steel, Santa Monica Blvd. $500,000 or more.

B. C., Essondale—HOSPITAL—Provincial Govt., Victoria, having preliminary plans prepared by H. Whittaker, Dept. Pub. Wks., Victoria, 6 story, rein.-con., on hospital grounds, here. $2,000,000. P. Philip, Dept. Pub. Wks., Victoria, engr.

Bids Desired

N. H., Exeter—COURT HOUSE—Rockingham Co. Comn., G. A. Carlisle, chn., taking bids altering and constructing 2 story and basement, brick and limestone addition, plain foundation. $150,000. Dow, Harlow & Kimball, 184 Boylston St., Boston, Mass., archts.

Mass., Boston—COMMERCIAL—Federal Development Co., 30 Federal St., Boston, taking bids 4 story and basement, brick, steel and stone, plain foundation, 24-26 Dock Sq. $165,000. J. H. Spiers, 30 Federal St., archt.

Mass., Boston—STORE and OFFICE—Holland System, Real Estate Dept., Haymarket Sq., taking bids altering and constructing 5 story and basement, brick and stone addition, plain foundation, 51-57 Hanover St. $150,000. J. J. Harty, 35 Huntington Ave., engr.

Mass., Holyoke — APARTMENT — See "Contracts Awarded."

Mass., Milford — THEATRE — Milford Realty Corp., E. Austin & D. Stoneman, 333 Washington St., Boston, taking bids 1 and 2 story and basement, brick, steel and stone, plain foundation, Park, Main and Congress Sts. $150,000. J. N. Jacobs, 9 Bosworth St., Boston, archt. Noted Jan. 20.

Mass., Newton (Ind. br. Boston) — THEATRE, STORE and GARAGE — J. Michel, E St., South Boston, taking bids 1 story and basement, 200 x 230 ft. theatre, and 1 story, 70 x 140 ft. garage, Auburndale Sq., here. $250,000. R. Testa, 224 Hanover St., Boston, archt. Noted Jan. 20.

Mass., Pembroke — TOWN HALL and LIBRARY — Feb. 10 (extended date), by Town, J. J. Shepard, chn. com., 2 story and basement, brick and stone, plain foundation, Center St. $150,000. J. D. Leland & Co., Staler Bldg., Boston, archts. Noted Jan. 6.

Conn., Bridgeport—HOSPITAL—Bridgeport Hospital, Englewood Div., W. H. Hersey, doctor, taking bids 2 story and basement, 35 x 80 ft., and 30 x 80 ft., brick and steel, nurses' home and contagious ward, plain foundation, Jewett Ave. $175,000. E. G. Southey, 983 Broad St., archt. $175,000. Noted Nov. 4.

Conn., New Haven — STORE and OFFICE—F. W. Woodruff Co., 834 Chapel St., taking bids (invitations), 6 story, 75 x 75 ft., brick and steel, Chapel St. $200,000. Westcott & Mapes, 139 Orange St., engrs. L. Julianelle, 59 Asylum St., archt.

N. Y., New York — APARTMENT — See "Contracts Awarded."

N. Y., New York—CLUB HOUSE—Feb. 16, by United Order of True Sisters, 50 Landscape Ave., Yonkers, 4 story, brick, steel and stone, plain foundation, 150 West 85th St., here. $350,000. Block & Hesse, 18 East 41st St., archts. Ball & Snyder, 505 5th Ave., engrs. Noted Apr. 1.

N. Y., Rochester—OFFICE—Feb. 8, by J. F. Warner, archt., Granite Bldg., 6 story and basement, 200 x 224 ft., brick and steel, Elm and Euclid Sts., for Rochester Telephone Corp., Triangle Bldg., G. R. Fuller, pres. $600,000.

N. Y., Rochester—THEATRE—Mar. 15, by Craven & Margyer, archts., 307 North Michigan Ave., Chicago, Ill., 3 story and basement, 150 x 300 ft., rein.-con. and brick, Clinton Ave. and Mortimer St., here, for Keith-Albee, R. F. Albee, pres., 1564 Bway., New York City. $1,250,000. Noted Jan. 6.

N. Y., Syracuse—STORE and OFFICE—See "Contracts Awarded."

Pa., Phila. — APARTMENT — See "Contracts Awarded."

Pa., Phila.—SALES and SERVICE—Feb. 5, by P. H. Tyre, archt., 114 South 15th St., 2 story and basement, 111 x 133 ft., rein.-con., brick and steel, plain foundation, Broad St. and Hunting Park, for Preiss Nash Motor Co., Broad St. and Hunting Park.

Pa., Waynesboro—BANK—Feb. 4, by First Natl. Bank, 1 story and basement, 75 x 125 ft., rein.-con., brick, steel and stone, plain foundation. Simons, Britton & English, 929 Chestnut St., Phila., archts.

Pa., Willow Grove—CLUB HOUSE—Feb. 8, by Tilden, Register & Pepper, archts., 1520 Locust St., Phila., 3 story and basement, 91 x 293 ft., brick, steel and rein.-con., plain foundation, here, for Huntington Valley Country Club, Noble (Abington P. O.).

O., Cleveland — AUDITORIUM — W. R. Hopkins, city mgr., taking bids 5 story, basement and 2 wings, 125 x 208 ft., and 60 x 208 ft., steel, stone and concrete addition, East 6th St. and St. Clair Ave. $2,000,000. H. Kregelius, 604 City Hall, archt. J. H. MacDowell, B. F. Keith Bldg., consult. engr.

O., Columbus—THEATRE—Feb. 9, by M. Loew, pres. Loews Inc., 1548 Bway., New York City, 121 x 187½ ft. theatre, 83 ft. high, brick, steel, concrete, stone and terra cotta, East State St., here. $850,000. T. W. Lamb, 688 6th Ave., New York City, archt. Noted Jan. 27.

O., Uhrichsville—HOTEL—Feb. 15, by Uhrichsville Hotel Co., A. Robinson, pres.-genl. mgr., 4 story and basement, 80 x 132 ft., brick, steel and concrete hotel. $225,000. R. Caldwell, Peoples Bank Bldg., Indianapolis, Ind., engr. and archt. Noted Nov. 18.

Mich., Grosse Pointe (br. Detroit) — COMMUNITY—G. W. Graves, archt., 41 John R. St., Detroit, taking bids and open same about Feb. 10, 2 story and basement, 103 x 116 ft., rein.-con., brick and steel, plain foundation, for Grosse Pointe Community, c/o architect. Noted Dec. 9.

Mich., Highland Park (br. Detroit)—OFFICE and STORE—A. Kahn (archt. and owner), 1000 Marquette Bldg., taking bids 6 story and basement, rein.-con., brick and steel, plain foundation, Glendale and Woodward Aves. $200,000.

Mich., Saginaw—BANK—A. Kahn, archt., 1000 Marquette Bldg., Detroit, taking bids 3 story and basement, 80 x 200 ft., rein.-con., brick and stone, plain foundation, here, for Bank of Saginaw. $800,000.

Ill., Chicago—CLUB—Shattuck & Layer, archts., 134 North La Salle St., taking bids 4 story and basement, 125 x 134 ft., brick and terra cotta, incl. swimming pool, gymnasium, lockers, bowling alleys, etc., West North Ave. and Kildare St., for Northwest Lions Club, c/o architects. Noted Sept. 2.

Wis., Kenosha—BANK and OFFICE—Feb. 14, by Childs & Smith, archts., 720 North Michigan Ave., Chicago, Ill., 8 story and basement, 100 x 136 ft., rein.-con., brick, steel and stone, here, for U. S. Natl. Bank, 213 Market St. $350,000. Noted Dec. 30.

Wis., Milwaukee—APARTMENT—W. J. Kozick, archt., 664 26th St., taking bids 4 story and basement, 56 x 122 ft., brick and concrete, plain foundation, 15th St., for Priebe Realty Co., 2417 State St. Noted Jan. 13.

Colo., La Junta—HOSPITAL—May 1, by Mennonite Bd. Missions, La Junta, 3 story and basement, rein.-con., brick and stone, plain foundation. $200,000. Schmidt, Boucher & Overend, 4th Natl. Bank Bldg., Wichita, Kan., archts. Noted Feb. 4.

Calif., Los Angeles—APARTMENT—See "Contracts Awarded."

Calif., Los Angeles—BANK and OFFICE—Peoples Holding Co., 421 South Hill St., taking bids 10 story and basement, 40 x 160 ft. rein.-con., 421 South Hill St. $400,000. Walker & Eisen, Western Pacific Bldg., archts. Noted Nov. 4.

Calif., Los Angeles—LOFT—Walker & Eisen, archt., Western Pacific Bldg., taking new bids 12 story and basement loft, Bway. between 8th and 9th Sts., for W. W. Paden, c/o architects. Noted Dec. 2.

Calif., San Francisco—OFFICE—Feb. 11, by F. H. Meyer, archt., 742 Market St., structural steel work 15 story and basement, Mission and New Montgomery Sts., for Builders Exch., 180 Jessie St. $750,000.

Bids Received

D. C., Wash. — SHOWROOM and GARAGE—A. P. Clark, Jr., archt., 811 14th St. N. W., showroom and garage, 17th and M Sts., from C. H. Tompkins, 1612 Park Rd. N. W., for Emerson & Orme, 1620 M St. $152,190. Noted Jan. 20.

Contracts Awarded

Mass., Brookline (br. Boston)—STORE and OFFICE—Arcade Building Trust, F. E. Johnstone, 209 Washington St., Boston, 2 story and basement, 100 x 200 ft., brick and stone, plain foundation, Harvard St., to E. S. Butterfield Co., 88 Broad St., Boston. Archts. est. $250,000. Noted Dec. 2.

Mass., Holyoke—APARTMENT—L. A. LaFrance, 292 Maple St., will build 4 story and basement, 60 x 100 ft., brick and stone, plain foundation, 575 Pleasant St. $150,000. Work will be done by separate contracts. G. P. B. Alderman, Alderman Bldg., archt.

Mass., Spencer—HALL—Town, E. Allen, chn. com., 2 story and basement, brick and stone, plain foundation, Main St., to E. P. Pitfield Co., 405 Main St., Worcester. Archts. est. $150,000. Noted Oct. 21.

R. I., Woonsocket—BANK and OFFICE—Woonsocket Institution for Savings, Main

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Buildings—Commercial (Continued)

St., 2 story and basement, rein.-con., brick and steel, plain foundation, to A. W. Merchant, Inc., Hospital Trust Bldg., Providence. Archts. est. $150,000. Noted Jan. 13.

N. Y., Brooklyn—PHYSICIANS OFFICE—McVey Building Co., 740 Bway., 8 story, brick, steel and stone, plain foundation, Hanson Pl., to W. Kennedy Constr. Co., 215 Montague St. Archts. est. $450,000. Noted Oct. 7.

N. Y., New York—APARTMENT—Deljo Constr. Co., J. S. Silverman, c/o Springsteen & Goldhammer, archts., 31 Union Sq., will build brick, steel and stone, plain foundation, Bronx Park East, by day labor. $250,000.

N. Y., Syracuse—STORE and OFFICE—J. E. Heffernan (owner and contractor), 721 South Salina St., will build 7 story and basement, 40 x 75 ft. store and office, East Fayette St. $225,000.

N. Y., Syracuse—STORE and OFFICE—J. E. Heffernan (owner and contractor), 721 South Salina St., will build 2 story and basement, 80 x 123 ft. store and office building, in Eastwood. $150,000.

Pa., Altoona — HOTEL — William Penn Hotel of Altoona, general contract remodeling and constructing hotel addition, to Columbia Constr. Co., Altoona Trust Bldg. Archts. est. $300,000.

Pa., Phila.—APARTMENT—Weiss Kaplin Co., Franklin Trust Bldg., will build 4 story and basement, 56 x 125 ft., rein.-con., brick and steel, plain foundation, 2133 North 33rd St. Work will be done by separate contracts. Tunis & Baker, 1609 Arch St., archts.

Pa., Olyphant—BANK—First Natl. Bank, 1 and 2 story and mezzanine, 50 x 100 ft., rein.-con., brick and steel, plain foundation, here, to Simons, Brittain & English, 929 Chestnut St., Phila.

Miss., Jackson—HOSPITAL—Mississippi Building Comn., R. L. Brown, secy., general contract 2 story, 41 x 140 ft. administration building, to I. C. Garber, Medical Bldg., $58,735; general contract 1 story, 89 x 115 ft. commissary and laundry, to W. J. McGee, Lamar Life Bldg., $53,169; for Rankin Co. Insane Hospital Colony, State Prison Farm. Noted Jan. 6.

O., Canton—HOME—Elks Home Co., 335 Tuscarawas St., 2 story and basement addition, to G. H. Whike Contg. Co., 138 2nd St. N. E., $150,000.

O., Cincinnati — GARAGE — Ninth St. Garage, 3131 Fairfield Ave., 7 story and basement, 100 x 140 ft., brick and rein.-con., plain foundation, 9th St., to Roos-Meyer-Hecht, Stanton Ave., $200,000.

O., Cincinnati—GARAGE—Schott Auto Co., 2416 Gilbert Ave., 1 story and basement, 50 x 150 ft., brick and rein.-con., plain foundation, Gilbert St., to W. Miller & Son, Elm St., $165,000. Noted Dec. 30.

O., Cincinnati—OFFICE—Cincinnati Oil Wks. Co., Eggleston Ave., 6 story and basement, 67 x 150 ft., brick and concrete office and shipping building, plain foundation, Eggleston Ave., to Fisher-DeVore Co., Dixie Terminal Bldg., $200,000.

O., Cincinnati—WAREHOUSE—H. & S. Pogue Co., 4th and Race Sts., 3 story and basement, rein.-con. and brick, plain foundation, 6th St., to M. J. Roche, South Ohio Bank Bldg., $180,000.

O., Cleveland — APARTMENT — Taylor Manor Co., J. F. Steffens, secy., Fidelity Mortgage Bldg., 3 story and basement, 45 x 142 ft., brick, 1851 Taylor Rd., to Narosny & Goffman, 1031 Linn Dr. Archts. est. $200,000.

O., Cleveland—STORE, etc.—S. S. Kresge Co., Kresge Bldg., Detroit, Mich., altering and constructing 2 story and basement, 38 x 130 ft., and 25 x 50 ft., brick, steel and concrete addition, 10512-16 St. Clair Ave., here, to Minton-Scobell Co., The Arcade. Archts. est. approximately $150,000.

O., Zanesville—STORE and THEATRE—Brown Theatrical Co., Brown, pres., 1 story, 90 x 140 ft., brick, steel and concrete, to Dunzweiler Constr. Co., Zanesville. Archts. est. $200,000. Noted Aug. 26.

Mich., Detroit—THEATRE and OFFICE—Detroit Properties Co., 810 Bagley Ave., 18 story and basement, 181 x 208 ft., rein.-con., brick and steel, plain foundation, Bagley Ave., to Walbridge Alldinger Co., 2356 Penobscot Bldg. Archts. est. $6,000,000. Noted Jan. 27.

Ia., Waterloo—THEATRE and STORE, etc.—J. S. Bartley, archt., Pioneer Natl. Bldg., 4 story and basement, 110 x 141 ft., rein.-con., brick and steel, Commercial St. between 4th and 5th Sts., to J. G. Miller, Black Hawk Bank Bldg. Archts. est. $350,000. Noted Jan. 13.

Neb., Lincoln — DEPOT — Chicago, Burlington & Quincy R.R. Co., A. W. Newton, ch. engr., 547 Jackson Blvd., Chicago, Ill., 3 story and basement, 72 x 291 ft., brick, concrete and limestone, 8th and Pine Sts., to P. Kiewitz & Sons, 908 Omaha Natl. Bldg., Omaha, approximately $600,000. Noted Feb. 18.

Neb., Omaha—APARTMENT HOTEL—Estate of C. R. Hannan, Council Bluffs, Farnam Building Co., E. K. McDermott Holding Corp., general contract remodeling 6 story and basement, rein.-con. automobile building into apartment hotel, and constructing 4 story, steel top addition, 30th and Farnam Sts., to C. L. Gray, 1309 McCausland St., and C. R. Crockwell, 611 Hanley St., St. Louis, Mo. Archts. est. $2,250,000.

Mo., Clayton — APARTMENT — Hanley Rd. Realty Co., c/o B. M. Nevins, 821 Belt Ave., St. Louis, general contract 4 story and basement, 150 x 180 ft., rein.-con., brick, steel and terra cotta, Hanley Rd., near Wydown St., to Widmer Eng. Co., Laclede Gas Bldg., St. Louis. Archts. est. $1,000,000. Noted July 1.

Tex., Dallas—OFFICE—Lone Star Gas Co., R. O. Crawford, Wood and Harwood Sts., 6 story, 90 x 83 ft., rein.-con., brick and stone top addition, Harwood St., to Hughes-O'Rourke Constr. Co., 1907 North Houston St. Archts. est. $160,000.

Tex., Dallas—OFFICE—R. E. Burt, Burt Building Co., Magnolia Bldg., 11 story and part basement, 50 x 100 ft., rein.-con., concrete pile or caisson foundation, Ervay St., to Churchill Humphrey Constr. Co., Magnolia Bldg., $250,000.

Tex., Houston — WAREHOUSE — Schumacher Co., 1309 Commerce St., Houston, 6 story, 130 x 154 ft. warehouse, to Southwestern Constr. Co., 428 West Bldg., $450,000.

Tex., Wichita Falls—CITY HALL and AUDITORIUM—City c/o W. F. McBroom, secy., 2 story part basement, 221 x 224 ft., rein.-con., brick and stone, plain foundation, to J. E. Morgan, 319 Texas Ave., El Paso, $351,301. Noted Jan. 13.

Calif., Los Angeles—APARTMENT—D. M. Morris, 3390 San Marino St., will build 5 story and basement, 50 x 110 ft., rein.-con., West 2nd St., by day labor and subcontracts. $160,000.

Calif., Los Angeles — APARTMENT — Meyer-Radon Bros., 6362 Hollywood Blvd., 4 story and basement, 94 x 152 ft., brick and concrete, Franklin St. and Cherokee Ave., to J. A. Platt Co., 7228 Sunset Blvd., approximately $175,000.

Calif., Los Angeles — STORE and OFFICE—J. Pagilanc, 2 story, 110 x 160 ft., stone and brick, Commercial and Main Sts., to Pozzo Constr. Co., 421 Macy St., $150,000.

Calif., Newport Beach — CLUB and COTTAGES — South Coast Club, 1112 Quimby Bldg., Los Angeles, 3 story, 70 x 400 ft., rein.-con. club, and 200 beach cottages, incl. plunge, between Huntington Beach and Newport Harbor, here, to Matthis Constr. Co., 337 West Ave. 26, Los Angeles, $1,000,000.

Calif., Palo Alto — THEATRE — Reid Bros., archts., 105 Montgomery St., San Francisco, rein.-con. University Ave., here, to MacDonald & Kahn, 130 Montgomery St., San Francisco, for C. H. Strub, 2632 Mission St., San Francisco, $165,000. Palo Alto Theatre Corp., Palo Alto, lessee. Noted Dec. 16.

Calif., San Francisco—APARTMENT—G. Martin, 901 Bryant St., 6 story and basement, rein.-con., Turk St. near Hyde St., to I. M. Sommer Co., 901 Bryant St., $155,000.

Calif., San Francisco—THEATRE—Parkside Theatre & Impvt. Co., c/o Reid Bros., archts., 105 Montgomery St., rein.-con., 1,000 seating capacity, 29th Ave. and Taraval St., to Macdonald & Kahn, 130 Montgomery St., $200,000. Noted Jan. 7.

Calif., Santa Barbara—COURTHOUSE—C. A. Hunt, clk. Santa Barbara Co., concrete work for courthouse, to Wagner & Fell, Santa Barbara, $169,670. Noted Oct. 28.

Calif., Santa Monica—APARTMENT—A. Benjamin, c/o A. E. Harvey, archt., Black Bldg., Los Angeles, 3 story and basement, 125 x 130 ft., brick, here, to L. T. Mayo, Black Bldg., Los Angeles, $165,000.

Calif., Santa Monica—HOTEL—Miramar Hotel, 10 story, basement and sub-basement, 135 x 218 ft., rein.-con. and steel, Ocean Ave. between Wilshire Blvd. and California St., to Scofield Eng. Constr. Co., Pacific Finance Bldg., Los Angeles, $1,250,000.

Calif., Venice — APARTMENT — G. C. Harbolt, 418 California Bldg., Los Angeles, 4 story and basement, 60 x 110 ft., brick, Paloma Ave., to Cooper Constr. Co., Pacific Natl. Bank Bldg., $165,000. Noted Jan. 6.

Buildings—Industrial

Proposed Work

Vt., Rutland—REPAIR SHOP and GARAGE—Bardwell Hotel, N. J. V. Nicklaw, mgr., having sketches made by A. H. Smith, Gryphon Bldg., 1 story, rein.-con. repair shop and garage. $40,000.

Mass., Cambridge (Boston P. O.)—FACTORY—Tailby-Nason Co., 368 Congress St., Boston, plans factory manufacturing chemicals, Amherst and Carlton Sts. $50,000 or more. Engineer and architect not selected.

Mass., Chelsea (br. Boston)—REPAIR and SERVICE GARAGE—N. E. Contr. Co., D. Grossman, Spruce St., having plans prepared by S. S. Eisenberg, 46 Cornhill, Boston, 1 story, brick and steel, plain foundation, 90-94 Spruce St. $50,000.

Mass., Lynn—BAKERY—Cushman Baking Co., N. A. Cushman, pres., 545 Congress St., Portland, Me., having preliminary plans prepared by P. Varney, 25 Exchange St., Boston, 1 and 2 story, 60,000 sq.ft. floor space, brick, plain foundation, Sanderson St. To exceed $150,000. Noted Jan. 13.

Mass., New Bedford—GARAGE SERVICE, and REPAIR SHOP—Hudson-Essex Motor Car Co., having plans prepared by E. M. Corbett, 70 Bedford St., Fall River, 1 and 2 story, rein.-con. addition, Kempton and Summer Sts. $40,000 or more.

Mass., Salem — REPAIR, SALES and SERVICE GARAGE—Dow & Lewis, 102 Lafayette St., having tentative sketches made 1 story, probably concrete, Bridge St. $50,000. Private plans.

Mass., Waltham (Ind. br. Boston)—FACTORY—J. L. Thompson Mfg. Co., J. L. Thompson, pres., Roberts Station, having preliminary plans prepared by A. F. Gray, 53 State St., Boston, altering and constructing 2 story, brick and timber addition. $50,000.

Conn., Hartford—INDUSTRIAL—F. N. Tilton, c/o Amer. Screw Co., 85 Charter Ave., plans 2 or 3 story, 16,000-24,000 sq. ft. floor space, rein.-con. and steel industrial and garage, to be built according to demands of lessee. $100,000-$125,000.

Conn., Hartford—INDUSTRIAL—F. N. Tilton, 87 Charter Oak Ave., plans 2 story, 16,000 sq.ft. floor space, steel and concrete, Elm St. $100,000.

N. Y., Albany — COLD and DRY STORAGE — Albany Port Dist. Comn. plans (1st unit) 5 story cold and dry storage warehouse, $1,500,000.

N. Y., Buffalo—DRY CLEANING—Market Dry Cleaning Co., c/o E. W. Goldstein, archt., 814 Mutual Life Bldg., having plans prepared 2 story, 60 x 115 ft., rein.-con. and stone, Niagara St. $125,000.

N. Y., Geneva—FLOUR MILL—Owner, c/o C. T. Lynch, 479 Exchange St., having plans prepared by L. P. Adams, Moose Temple Bldg., and soon takes bids 5 story and basement, 33 x 66 ft., brick and steel, plain foundation, Exchange St. $125,000.

N. Y., Rensselaer—WAREHOUSE—See "Unclassified."

N. Y., Syracuse—SHOPS—City having plans prepared by M. Partridge, City Hall, 1 story, 60 x 200 ft., rein.-con., brick and steel, plain foundation, Beech St. $70,000. N. F. Pitts, Jr., City Hall, engr.

N. J., Kearny—PLANT—Western Electric Co., 100 Central Ave., plans 6 story, 60 x 300 ft., and 1 story, 60 x 198 ft., steel, terra cotta and concrete plant additions.

W. Va., Newell—PLANT—Rd. Directory Homer Laughlin China Co. takes bids in spring pottery unit equipped with tunnel kilns and clay working machinery. $200,000. N. E. Wells, secy.-treas.

La., Jackson — POWER PLANT — See "Waterworks."

O., Cleveland—FACTORY—Gas Products Co., 100 North Skidmore St., Columbus, S. D. Wingen, vice-pres. and genl. mgr., purchased site and plans brick factory, Jennings Rd. and Baltimore & Ohio R.R. tracks, here.

Ind., Indianapolis—STOCK—Belt R.R. & Stock Yards Co., S. E. Rauk, pres., had plans prepared cattle and hog buildings, at Stock Yards. $150,000. Private plans.

Minn., Minneapolis — BAKERY — Regan Brothers Co., J. F. Regan, treas., 5th St. and 7th Ave. N., making plans 2 or 3 story and basement, rein.-con. and brick addition.

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Buildings—Industrial (Continued)

$150,000. Engineer and architect not announced.

Neb., Auburn—COLD STORAGE—Jerpe Cold Storage Co., 12th and Douglas Sts., Omaha, making preliminary plans 2 story, 100 x 150 ft., rein.-con. and brick, cold storage plant. $50,000.

Neb., Grand Island—POWER PLANT—City, H. E. Clifford, clk., takes bids about Feb. 15, city electric light and power plant additions, $50,000. Pillsbury Eng. Co., 2344 Nicollet Ave., Minneapolis, Minn., engrs. Contract for furnishing and installing one 2,500 kw. automatic ext. turbine to General Electric Co., River Rd., Schenectady, N. Y., $55,192, and condensers to Wheeler Condenser & Eng. Co., Carteret, N. J. $11,160. Noted Sept. 23.

Mo., Carthage—POWER PLANT—Dept. Pub. Wks., City Hall, making preliminary plans rein.-con., brick and steel power plant, incl. 100,000 gal. water tank and diesel engine. $50,000. E. Heen, ch. engr. E. S. Glenn, city engr.

Mo., Kansas City—TIN CAN FACTORY—Pague Mfg. Co., 29th St. and Southwest Blvd., plans 129 x 157 ft., rein.-con. and brick, 57th and Summit Sts. Private plans.

Mo., Kansas City — FABRICATING PLANT — Diamond State Fibre Co., 501 Kemper Bldg., plans 1 story fabricating plant. Private plans.

Mo., Kansas City—KNITTING MILL—K. A. Mezler, 410 Continental Bldg., plans 1 story knitting mill. $50,000. Private plans.

Mo., Kansas City—BOTTLING PLANTS—See "Texas."

Mo., Piedmont — POWER PLANT — See "Dams."

Mo., St. Louis—BOTTLING PLANTS—See "Texas."

Ariz., Phoenix—BOTTLING PLANTS—See "Texas."

Texas—COTTON COMPRESSES—Aransas Compress Co., Corpus Christi, takes bids about Feb. 10, cotton compresses, concrete, brick and steel, one at Harlingen and one at Edinburg. $100,000 each. Private plans. Noted Oct. 7 and Dec. 30.

Texas—BOTTLING PLANTS—Delaware Punch Co., c/o T. E. Lyons, 1619 North San Marcos St., plans bottling plants San Antonio, Ft. Worth and Dallas, Tex., also Phoenix, Ariz., St. Louis and Kansas City, Mo. $9,000,000. Noted July 15.

Tex., Houston — LAUNDRY — Public Laundry, 1320 Congress Ave., purchased site and made preliminary plans 2 story and basement, 100 x 200 ft. laundry, West Webster and Genessee Sts. $100,000. Engineer and architect not selected.

Tex., Houston—OVERALL FACTORY—Cyrus W. Scott Mfg. Co., 701 Rusk Ave., having plans prepared by J. Finger, Keystone Bldg., 4 story and basement, 100 x 166 ft., Texas and Brazos Sts. $250,000.

Tex., Houston—ICE PLANT—H. Roberts & G. W. Cigyshall, 321 Thompson St., San Antonio, purchased site and plans 1 story, 40 ton capacity, brick and steel plant, here. $75,000. Engineer and architect selected soon.

Okla., Perry — GASOLINE PLANT — Gypsy Oil Co., Frick Annex, Pittsburgh, Pa., plans rebuilding casinghead gasoline plant, here, recently destroyed by fire. $100,000 or more. Private plans.

Okla., Ponca City — MILL, WAREHOUSE, etc.—Ponca City Milling Co. soon takes bids 6 story and basement, 32 x 76 ft., mill, 1 story, 39 x 40 ft. boiler room, and 1 story, 45 x 60 ft. warehouse, all rein.-con. and brick. Horner, Wyatt & Roads, 468 Board of Trade Bldg., Kansas City, Mo., engrs. Noted Oct. 7.

Calif., Los Angeles — INDUSTRIAL — Mesick & Mahy Mfg. Co., 1431 South Wall St., having preliminary plans prepared by J. J. Frauenfelder, 1116 Story Bldg., 3 story, brick, steel and stone, 1431 South Wall St. $40,000.

Calif., Oakhurst — WAREHOUSE and PLANT—Pacific States Fruit Co., Fresno, having plans prepared by L. L. Jones, 445 Douglas Bldg., Los Angeles, 1 and 2 story, 100 x 200 ft., steel and rein.-con. canning and packing plant, here. $50,000.

Ont., Galt—FACTORY—Scroggins Shoe Co., Rose St., plans new factory, Queen St. $40,000.

Ont., Guelph — BREWERY—Springbank Brewery Co., S. W. Barber, Mgr., having plans prepared alterations, improvements and installing additional equipment in brewery. $50,000.

Porto Rico — PLANT — See "Contracts Awarded."

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Bids Desired

Mass., Somerville (br. Boston) — REPAIR and SERVICE GARAGE and SHOWROOM—H. Bernstein, 11 Beacon St., Boston, taking bids 1 story, 90 x 220 ft., rein.-con. and brick, plain foundation, Medford St. $75,000. R. Testa, 224 Hanover St., Boston, archt.

Conn., Westport—GARAGE—Feb. 11, by L. Gault, Riverside Ave., 3 story, 75 x 150 ft., brick and rein.-con., Riverside St. $125,000. Fletcher-Thompson, Inc., 542 Fairfield Ave., Bridgeport, archts. Noted Jan. 20.

Md., Baltimore — MANUFACTURING — See "Contracts Awarded."

Miss., Hattiesburg—PICKLE PLANT—Wildar Mfg. Co., Cleveland, O., taking bids 2 story, 60 x 680 ft., concrete and brick plant, here. $100,000. E. C. Hearon & Son, Hattiesburg, archts.

Ky., Louisville—ENAMELING PLANT—Feb. 5, by Louisville Industrial Foundation, engrs. and archts., Columbia Bldg., 2 story and basement, 120 x 140 ft., rein.-con., brick and steel, plain foundation, 13th and Burnett Sts., for F. B. Ayers, c/o engineers. $100,000.

O., Cincinnati — POWER HOUSE — See "Contracts Awarded."

O., Cincinnati—MACHINE SHOP—See "Contracts Awarded."

O., Cleveland—FACTORY and WAREHOUSE—Ohio Window Glass Co., J. Unger, mgr., 4045 St. Clair Ave., taking bids 2 story and basement, 35 x 75 ft., brick and steel, 4045 St. Clair Ave. $40,000. Private plans.

O., Marion—HARDWARE FACTORY—Feb. 7, by Officials Wilson Bohannon Co., modern factory.

Tex., Houston—FACTORY—Feb. 15, by J. Finger, archt., 4 story, 100 x 166 ft. factory, Texas Ave. $165,000.

Tex., Texarkana—MILL WAREHOUSE—Hunter Transfer Co., taking bids and open same about Feb. 5, 3 story, 67 x 120 ft., rein.-con. and brick, plain foundation. $50,000. Witt, Seibert, Halsey, Texarkana Natl. Bank Bldg., archts.

Calif., Los Angeles—SUB-STATION—See "Contracts Awarded."

Bids Received

N. J., Totowa (mail Paterson)—POWER-HOUSE, LAUNDRY, etc.—C. N. Leathem, state archt., State Bldg., Trenton, from Bowe & Millimet, 774 Bine Ave., Union City, general contract entire group $397,800, from G. J. Tobin, 187 North Ave., Plainfield, plumbing, for dining hall and kitchen $23,980, heating 5 buildings $61,757, and plumbing and heating $45,297, from Victor Electric Co., 304 Morris Ave., Elizabeth, underground high tension electrical work $27,331, from K. W. Electric Co., 49 Lawrence St., Newark, electrical work for 5 buildings $43,733; from E. W. Waldron, 127 Central Ave., Newark, general contract power house only $48,278, from J. H. Cooney, 210 North 4th St., Harrison, mechanical equipment $29,946; from Bowe & Millimet, 774 Bine Ave., Union City, general contract dining hall and kitchen $102,400, from C. J. Smith Constr. Co., 204 Academy St., Trenton, general contract laundry $24,850, and for vocational building $113,626, from F. and C. Haerter, 769 Dewey Ave., Union City, general contract recreation and assembly building $111,646. Noted Dec. 30.

N. Y., Long Island City—REPAIR—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, Jan. 25, repair building, Poyer and Barnewell Aves., here, from Lustbader Lutz Co., 103 Park Ave., New York City, $46,600. Noted Jan. 20.

Tex., Ft. Worth — GARMENT FACTORY—Jinkins Co., East Front St., 2 story, 100 x 150 ft., brick, steel and rein.-con., from G. M. Davis, 1003½ Houston St. Archts. est. $70,000.

Contracts Awarded

Mass., Boston — PRINTING PLANT — Boston Amer. Publishing Co., 3 Winthrop Sq., altering and constructing 1 story, brick addition, (between two buildings) plain foundation, Otis St., to T. W. Harrison Co., 46 Cornhill. Archts. est. $40,000.

N. Y., Glendale (mail Brooklyn)—FACTORY—P. L. Andrews Corp., 45 Irving Ave., Brooklyn, 3 story, 80 x 180 ft., rein.-con., brick and stone, plain foundation, Cooper Ave., here, to Caye Constr. Corp., 356 Fulton St., Brooklyn. Archts. est. $140,000.

N. J., Trenton—POWER HOUSE—Pub. Serv. Electric & Gas Co., Terminal Bldg., Newark, 2 story, brick and steel power house addition, Chauncey St., here, to Pub. Serv. Production Co., Terminal Bldg., Newark, $75,000.

Md., Baltimore — MANUFACTURING — Maryland Glass Corp., Mt. Winans (Baltimore), will build 2 story, 120 x 120 ft. manufacturing plant, Linden and Ontario Sts., by day labor. $40,000.

Va., Richmond—FACTORY—Continental Tobacco Co., 1923 East Main St., F. M. Collier, vice pres., 7 story, modern tobacco factory annex, 20th and Carey Sts., to Wise Granite & Constr. Co., 818 West Main St. Archts. est. $500,000. Noted Jan. 13.

Miss., Aberdeen—CREAMERY and COLD STORAGE—Aberdeen Creamery Co., F. Johnson, pres., 1 story and mezzanine, 60 x 82 ft., rein.-con. and plate glass, to Brannon Constr. Co., Aberdeen. Noted June 10.

O., Cincinnati—POWER HOUSE—Cleveland, Cincinnati, Chicago & St. Louis R.R. Co., 230 East 9th St., H. Baldwin, ch. engr., will build 2 story, steel and rein.-con. plain foundation, Hillside St., by own forces. $550,000.

O., Cincinnati — MACHINE SHOP — Cleveland, Cincinnati, Chicago & St. Louis R.R. Co., 230 East 9th St., H. Baldwin, ch. engr., will build 1 story, rein.-con. and steel, plain foundation, Hillside St., by own forces. $40,000.

O., Hubbard—PLANT—Valley Iron & Mould Co., steel work for modern plant to Amer. Bridge Co., 208 South La Salle St., Chicago, Ill.; foundations and concrete work to W. McIntyre & Sons Co., Sharon, Pa., $100,000. Total to exceed $750,000.

Wis., Kohler—SHIPPING—Kohler Co., 4 story, 100 x 300 ft., brick and concrete plain foundation, here, to P. Riesens Sons, 1018 Humboldt Ave., Milwaukee.

Wis., West Allis—CARPENTER SHOP—Allis-Chalmers Mfg. Co., 62nd St. and National Ave., 1 story, 102 x 400 ft., brick and steel addition, to Meredith Bros., 235 Washington St., Milwaukee.

Ia., Council Bluffs—PUMPING STATION BUILDING—See "Waterworks."

Tex., Ft. Worth — ICE PLANT — Lone Star Ice & Fuel Co., ice plant, brick and concrete 21st and Loving Sts., to J. D. Little, 1313 Clinton St., $50,000.

Calif., Los Angeles—FACTORY—Goodyear Tire & Rubber Co., East Market St., Akron, O., 5 story, 101 x 201 ft., brick and rein.-con., Central Ave. and 67th St., here, to W. D. Lee, 709 Textile Center Bldg., $127,738. Noted Jan. 6.

Calif., Los Angeles—SUB-STATION—Los Angeles Bureau of Power & Light, will build 2 story, 52 x 185 ft., rein.-con., 9615 South Central Ave., by day labor. $150,000.

Calif., Oakland—ICE PLANT—Pacific Ice Co., 354 Pine St., San Francisco, 1 story, concrete, East 10th and High Sts., to H. E. Heller, 320 Market St., San Francisco, $40,000.

Calif., Porterville—PACKING PLANT—Porterville Citrus Assn., 1 story and basement, 100 x 128 ft., rein.-con., here, to Hamm, Grant & Bruner, 607 Ferguson Bldg., Los Angeles. Archts. est. $45,000.

Calif., San Jose—PACKING PLANT—California Packing Corp., 101 California St., San Francisco, 1 story, 100 x 200 ft., brick annex to Plant 3, here, to R. O. Summers, 17 North 1st St. Noted Jan. 13.

Porto Rico—PLANT—Celotex Co., 645 North Michigan Ave., Chicago, Ill., B. G. Dahlberg, pres., will build plant, here, by own forces.

Buildings—Educational, Religious

Proposed Work

N. H., Plymouth—DORMITORY—State of New Hampshire, E. L. Silver, in charge, plans State Norman School, 3 story and basement, brick, plain foundation. $150,000. Private plans.

Vt., Brandon — DORMITORY and SCHOOL—State of Vermont, J. W. Weeks, governor, plans dormitory and school, $150,000 or more. Engineer and architect not selected.

Vt., Castleton—DORMITORY—State of Vermont, J. W. Weeks, governor, plans normal school dormitory. $150,000. Engineer and architect not selected.

Buildings—Educational, Religious (Cont.)

Mass., Boston — CHURCH — Boston Lutheran Congregational Church, c/o J. Broadhurst, archt., 43 Bway., Lawrence, plans church, Parker and Alleghaney Sts. To exceed $150,000.

Mass., Cambridge (Boston P. O.) — CHURCH and PARISH HOUSE—Parish now being formed, Roman Catholic Diocese of Boston, Cardinal O'Connell, 217 Bay State Rd., Boston, plans church and parish house, Tannery St., here. To exceed $150,000. Engineer and architect not selected.

Mass., Cambridge (br. Boston)—HIGH SCHOOL—City, School Com., plans new Junior High School, near Cambridge Field. To exceed $150,000. Engineer and architect not selected.

Mass., Chicopee—SCHOOL—City, J. J. Desmond, supt., plans 2 story and basement, brick, McKinstry and Chicopee Sts. $150,000. Engineer and architect not selected.

Mass., Fitchburg — CHURCH and PARISH HOUSE—Christ Church, A. J. Gammack, pastor, having plans prepared by H. Upjohn, Grand Central Terminal, New York City, altering and constructing church and parish house addition, 18 Fox St.

Mass., Holbrook — HIGH SCHOOL — Town, E. J. Megeley, chn. plans new high school. $160,000. Engineer and architect not selected.

Mass., Malden (Boston P. O.)—CHURCH—First Congregational Church, R. Minch, pastor, Pleasant St., plans church. $350,000. Engineer and architect not selected.

Mass., Milford—HIGH SCHOOL—Town J. C. Lynch, chn., having preliminary plans prepared 2 story, brick and steel, incl. manual training, domestic science and 22 class rooms, Spruce and School Sts. $350,000.

Mass., North Andover—CHURCH—St. Michaels Roman Catholic Church, C. Haley, 196 Main St., plans church, Main St. $150,000 or more. Engineer and architect not selected.

Mass., Swampscott — HIGH SCHOOL — Town, H. F. Dow, supt. schools, plans 2 story and basement, brick high school. $150,000. Engineer and architect not selected.

Mass., Waltham (br. Boston)—HOME—Leland Home for Aged Women, J. L. Harby, pres., 21 Newton St., raising $150,000 funds, and having sketches made by J. R. Worcester, 79 Milk St., Boston, 3 story and basement, brick addition.

Mass., Watertown — HIGH SCHOOL—Town, School Com. plans 2 story and basement, addition to West Junior High School, $150,000 or more. Engineer and architect not selected.

Mass., West Roxbury (br. Boston) — CHAPEL — St. Josephs Parish, c/o McLaughlin & Burr, archts., 88 Tremont St., Boston, having plans prepared 2 story and basement, brick and stone, plain foundation, in parish cemetery, here. $150,000.

R. I., North Providence (mail Providence) — LIBRARY — Providence Pub. Library, W. E. Foster, librarian, plans branch library, here. $150,000 or more. Clark & Howe, 11 Weybosset St., Providence, archts.

R. I., Providence—SCHOOL—City, Pub. Buildings Dept., takes bids after Feb. 15, 3 story and basement, brick and stone addition, plain foundation, Veazie St. $500,000. T. J. H. Pierce, City Hall, archt. Noted Dec. 23.

Conn., Hartford — SCHOOL — L. H. Stanley, Chauncey Harris School, receiving competitive plans until Mar. 1, 3 story, 25 room, Franklin Ave. $500,000. Engineer and architect selected soon. Noted Jan. 6.

Conn., Hartford — SCHOOL — City, Bd. Educ., City Hall, plans trade school, Farmington Ave. $400,000.

Conn., Hartford—SCHOOL—Washington St. School Dist., P. E. Greene, chn., 179 New Britain Ave., plans remodeling present auditorium to 4 class rooms, and addition of basement gymnasium, 4 class rooms and auditorium, Wilson St. $200,000.

Conn., New Britain—CHURCH—First Congregational Church, T. Green, pastor, plans church $200,000, recreation building $190,000, parsonage $35,000, and small school $20,000, West Main and Lexington Sts. Engineer and architect not selected. Noted Jan. 20.

Conn., Willimantic — SCHOOL — State Normal School, State Comptroller, State House, Hartford, F. Salmon, having plans prepared by Payne & Keefe, 231 State St., New London, brick and steel, Valley St. $200,000. Noted Nov. 18.

N. Y., Brooklyn—SCHOOLS—Bd. Educ., 500 Park Ave., New York City, plans schools, at Avenue Q, Stanley and DeKalb Aves. W. H. Gompert, Flatbush Ave. extension and Concord St., archt.

N. Y., Brooklyn—SCHOOL—Bd. Educ., 500 Park Ave., New York City, soon takes bids P. S. 209, brick, steel and stone, plain foundation, Coney Island Ave., here. $465,000. W. H. Gompert, Flatbush Ave. extension and Concord St., engr. and archt.

N. Y., Buffalo—SCHOOL—Bd. Educ., Genesee Bldg., having preliminary plans prepared rein.-con. and brick addition to School 28, Triangle St. $375,000. Private plans.

N. Y., Cedar Manor (mail Jamaica)—SCHOOLS—Bd. Educ., 500 Park Ave., New York City, plans school at 116th Ave. between 166th and 167th Sts., here; and at 114th Ave. between 142nd and 143rd Sts., South Jamaica.

N. Y., Holley—SCHOOL—Bd. Educ., N. L. Cole, pres., Getty St., plans school. $200,000. Engineer and architect not selected.

N. Y., Livonia—HIGH SCHOOL—Bd. Educ. takes bids in March, altering and constructing 2 story and basement, 100 x 163 ft., brick and steel addition, plain foundation, School Hill. $175,000. C. C. Ade, 104 East Ave., Rochester, archt.

N. Y., Mexico — HIGH SCHOOL — Bd. Educ. having plans prepared by H. O. Fullerton, 611 Natl. City Bldg., Cleveland, O., 2 story and basement, 110 x 143 ft., rein.-con., brick and steel, plain foundation. $175,000.

N. Y., New York—SCHOOL—Bd. Educ., 500 Park Ave., having plans prepared by W. H. Gompert, engr. and archt., Flatbush Ave. extension and Concord St., Brooklyn, P. S. 14, 3 story, 130 x 165 ft., brick, steel and stone, plain foundation, Eastern Blvd. and Baisley Ave. $580,000.

N. Y., Rochester—HOME—A. S. Hadley, archt., 434 Seneca Parkway, takes bids after Feb. 10, 2½ story and basement, brick, plain foundation, Thurston St., for Rochester Presbytery, 101 Glendale Park, W. G. Kennedy, chn. $150,000.

N. Y., Rochester — SCHOOL — Blessed Sacrament Church, T. F. Connors, 540 Oxford St., having plans prepared J. F. Warnmer, 1036 Granite Bldg., 2 story and basement, 66 x 170 ft., brick and steel, plain foundation, Monroe Ave. $200,000.

N. J., Egg Harbor City—CHURCH—St. Johns Reformed Congregation, A. H. Elshoff, pastor, plans church. $200,000. Engineer and architect not selected.

N. J., Westfield—SCHOOL—Bd. Educ. soon takes bids brick, steel and stone, plain foundation, Myrtle Ave. $250,000. Wilder & White, 16 East 41st St., New York City, archt. Noted Nov. 4.

Pa., Altoona—HIGH SCHOOL— Altoona School Dist., W. M. Decker, secy., having plans prepared by Hersh & Sholler, Commerce Bldg., Senior High School, 3 story and basement, 215 x 265 ft., brick on hollow tile and steel, 5th Ave. $400,000.

P., Wilkinson—HIGH SCHOOL—School Dist. having plans prepared by T. H. Scott & Son, 230 5th Ave., Pittsburgh, 7 story and basement, irregular shaped addition, Wallace Ave. $600,000.

N. C. Asheville—SCHOOLS—City having plans prepared by D. D. Ellington, Asheville, new high school $650,000, and trade school $100,000. Noted Oct. 14.

La., Natchitoches — COLLEGE — State Normal College, O. L. Roy, doctor, takes bids in March or April, 3 story, brick, steel and stone, rein.-con. educational building $225,000. Favrot & Livaudis, Hibernia Bldg., New Orleans, archts. Noted Jan. 6.

O., Ashville — GRADE and HIGH SCHOOL—Bd. Educ., Ashland, G. D. Griffith, clk., and Harrison Twp., H. S. Hay, clk., had plans prepared by Glass & Ramsey, 186 East Broad St., Columbus, and takes bids about Apr. 1, 2 story and basement, 95 x 220 ft., brick and concrete, incl. gymnasium. $160,000.

O., Cincinnati — SCHOOL — Bd. Educ., Denton Bldg., having plans prepared by Tietig & Lee, 34 West 6th St., 3 story and basement, brick and concrete, plain foundation, Herschel St. $225,000.

O., Cleveland — HIGH SCHOOL — Bd. Educ., F. G. Hogen, dir., having preliminary plans prepared by G. M. Hopkinson, archt. and engr., Auditorium Garage Bldg., 3 story and basement, brick, steel and concrete, East 107th St. and Carnegie Ave. $1,800,000.

O., Cleveland — HIGH SCHOOL — Bd. Educ., F. G. Hogen, clk., takes bids after Mar. 1, Junior High School, 3 story and basement, 160 x 290 ft., brick, steel and concrete, East 131st St. between Union St. and Kinsman Rd. $800,000. Noted Aug. 5.

O., Cleveland — LABORATORY — Case School of Applied Science, C. S. Howe, pres., Euclid Ave. and East Blvd., having sketches made by Wilbur Watson & associates, archts. and engrs., 4614 Prospect Ave., 2 story and basement, rein.-con. and brick, Euclid Ave. and East Blvd. $160,000.

O., Cleveland — LABORATORY — University Hospitals Assn., F. A. Scott, pres. of Warner & Swasey Co., chn. of bd., 5701 Carnegie Ave., having plans prepared by A. Garfield, 915 Natl. City Bldg., 4 story and basement, 55 x 157 ft., brick, steel and concrete, Euclid Ave. $750,000.

O., Cleveland Heights (Warrensville P. O.)—SCHOOLS—Bd. Educ., W. G. Nesbit, dir., 1781 Lee Rd., Cleveland, having plans prepared by J. H. Graham & Co., 1612 Euclid Ave., Cleveland, 2 story and basement high school, grammar school, and 2 school additions, here. $650,000.

O., Shaker Heights (mail Cleveland) — CHURCH—Moreland Blvd. Methodist Episcopal Church, G. W. Peters, pastor, 3545 East 156th St., Cleveland, having sketches

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Buildings—Educational, Religious (Cont.)

made by Nicklas & Rodrick, 1227 Prospect Ave., Cleveland, 1 story and basement, brick, steel and concrete, Moreland Blvd. $200,000.

Mich., Kalamazoo — CHURCH — First Presbyterian Church, 830 West Lovell Ave., having plans prepared by Ivar Viehe Naess, 410 North Michigan Ave. and takes bids about Feb. 26, 2 story and basement, stone, South and St. John Sts. $250,000.

Ill., Rock Island—DORMITORY—Perkins, Fellows & Hamilton, archts., 814 Tower Court, Chicago, prepared plans and soon takes bids 4 story, 70 x 159 ft., rein.-con., brick and stone, 7th Ave. near 36th St., here for Augustana College. $175,000. Noted Dec. 23.

Wis., Manitowoc—SCHOOLS—Bd. Educ. E. Kirwan, secy., and Bd. Industrial Educ., R. Toche, secy., plans 2 story and basement, Junior High School, and Shops for Vocational School, brick and concrete. $330,000. Engineer and architect not selected.

Wis., Waukesha — HOTEL — Hotel Waukesha, D. W. Roberts, proprietor, plans 3 story and basement, brick and concrete addition, plain foundation. $150,000. Engineer and architect not selected.

Minn., Minneapolis — CHURCH—Second Church of Christ Scientist, 11th St. and 2nd Ave., H. Deutsch, chn. building comn., 908 Baker Bldg., having plans prepared by T. R. Kimball, 836 World Herald Bldg., Omaha, Neb., 165 x 275 ft., rein.-con., brick and stone, 2nd Ave. and 12th St. $500,000 or more.

Minn., Minneapolis — CHURCH—Church of St. Helena, 4320 33rd Ave. S., c/o O. J. Rowan, pastor, plans rein.-con., brick and stone, 33rd Ave. S. and 43rd St. $150,000. Engineer and architect not announced.

Kan., Chanute—HIGH SCHOOL, etc.—Bd. Educ. having plans prepared by E. W. Williamson & Co., 312 Central Natl. Bank Bldg., Topeka, 100 x 150 ft. addition to Senior High School, 56 x 87 ft. addition to Junior High School, and 68 x 106 ft. shop building, all 2 story, brick and stone.

Kan., Wichita—CHURCH—First Baptist Congregation, W. H. Rogers, pastor, having preliminary plans prepared by E. Forsblom, Sedgwick Bldg., 4 story and basement, 80 x 140 ft., rein.-con., brick and stone addition, 2nd and Lawrence Sts. $150,000. Noted Dec. 2.

Kan., Wichita—HIGH SCHOOL—Bd. Educ., J. L. Leland, secy., having preliminary plans prepared 3 story, 50 room, rein.-con., brick and stone, incl. gymnasium, etc., 15th St. and Little River Ave. $600,000.

Mo., Dodge City—SCHOOL—Southwest Teachers College having plans prepared by C. Cuthbert, 1415 Jewell St., Topeka, Kan., for school. $200,000.

Mo., Kansas City—NURSES HOME—City having plans prepared by S. C. Gunn, Continental Bldg., and soon takes bids 3 story and basement, irregular shaped, rein.-con. and brick, 23rd and Holmes Sts. $250,000.

Tex., Beaumont—HIGH SCHOOL—Bd. Educ. takes bids after Feb. 21, 2 story 95 x 250 ft., rein.-con., brick and steel, plain foundation. $150,000. Livesay & Wiedemann, c/o San Jacinto Life Bldg., archts.

Tex., Brenham—SCHOOL—Giesecke & Harris, archts., 207 West 7th St., Austin, soon take bids school, here, for Bd. Educ. $180,000 bonds. Noted Jan. 27.

Tex., San Antonio—HIGH SCHOOL, etc. —Election after Mar. 8, $600,000 bonds, Junior High School, remodeling, repairing addition, etc. to present building, for Bd. Educ., F. Haines, pres., Russell Bldg. Phelps & DeWees, 718 Gunter Bldg., archts. Noted Jan. 20.

Okla., Ardmore—CHURCH—First Baptist Church, W. L. Porter, pastor, having plans prepared by R. W. Hunt & Co., Kirby Bldg., Dallas, Tex., 2 story and basement, rein.-con. and brick, plain foundation, Bixley St. $175,000.

Okla., Tulsa — COMMUNITY — Holy Family Catholic Parish, J. G. Heiring, pastor, 122 West 8th St., had plans prepared 3 story and basement, 150 x 250 ft., brick, plain foundation, incl. gymnasium, auditorium, cafeteria, etc., West 6th St. and Frisco Ave. $500,000. Engineer and architect not selected.

Wash., Tacoma—HIGH SCHOOL—St. Lios Catholic Church, F. McAstocher, pastor, plans Bellarmine School and College, fireproof, on 20 acre site, South 23rd St. and Union Ave. $250,000.

Ore., Klamath Falls—HIGH SCHOOL—City plans high school. $150,000. H. D. Marsh, Henry Bldg., Portland, archt.

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Calif., Los Angeles—HIGH SCHOOL—Bd. Educ. having plans prepared by Architectural Dept. of Los Angeles Bd. Educ., for Audubon High School near Angelus Messa. $250,000.

Calif., Los Angeles — COLLEGE — University of Southern California, 3551 University Ave., having preliminary plans prepared by J. and D. B. Parkinson, 420 Title Insurance Bldg., gymnasium $250,000, womens classroom building $150,000 students union building $250,000, and library $250,000, all foregoing 3 story, rein.-con., stone and steel, on campus. $900,000.

Calif., Oakland—HIGH SCHOOL—City of Oakland School Dist. having plans prepared by W. R. Yelland, 1404 Franklin St., Golden Gate Junior High School, brick, incl. 11 classrooms, kindergarten and 2 shop buildings. $150,000.

Calif., Oakland—SCHOOL—City of Oakland School Dist. having plans prepared by Miller & Warnecke, 1404 Franklin St., 2 story, brick part-time school, East 11th St. and 43rd Ave. $150,000.

Calif., Oakland—MUSEUM—City having preliminary plans prepared by C. W. McCall, 1404 Franklin St., fireproof art center and museum, Lakeside Park. $1,000,000.

Ont., Toronto—SCHOOL—Bd. Educ., 155 College St., having plans prepared by C. Dyson, 155 College St., 3 story, rein.-con. brick and steel, addition to Parkdale Collegiate Institute, plain foundation, Parkdale St. $175,000.

Bids Desired

N. H., Farmington—HIGH SCHOOL—Town, F. W. Browne, chn. com., taking bids 2 story and basement, brick and stone addition, plain foundation. $150,000. J. E. Richardson, 56 Grove St., Dover, archt. Noted Dec. 23.

Mass., Brookline (br. Boston)—SCHOOL—Town, c/o Kilham, Hopkins & Greeley, archts., 9 Park St., Boston, taking bids 1 and 2 story and basement, brick and stone, plain foundation, Heath St. Noted Dec. 2.

Mass., Roxbury (Boston P. O.)—AUDITORIUM—Wentworth Institute, P. B. Watson, 53 State St., Boston, taking bids 1 and 2 story and basement, 70 x 160 ft., brick and steel, plain foundation, Huntington Ave. and Ruggles St., here. $250,000. Kilham, Hopkins & Greeley, 9 Park St., Boston, archts. Noted Dec. 16.

Mass., Somerville (Boston P. O.) — HIGH SCHOOL—City, Mayor's Office, taking bids English High School, 2 story and basement, brick and stone, plain foundation, Highland Ave. $200,000. F. I. Cooper Corp., 172 Tremont St., Boston, archts. Noted Oct. 21.

Mass., Westfield — NURSES HOME — Noble Hospital, H. W. Ely, pres., taking bids 3 story and basement, brick and stone addition. $150,000 . M. B. Harding, 6 Main St., archt. Noted Jan. 13.

Conn., Stamford—TEMPLE—Feb. 10, by Temple Bethel, 3 story, 40 x 110 ft. temple, Prospect St. Block & Hesse, 18 East 41st St., New York City, archts.

N. Y., Horseheads—HIGH SCHOOL—Feb. 15, by Bd. Educ., 2 story and basement, brick and steel, plain foundation. $300,000. H. M. Haskell, Hullet Bldg., Elmira, archt. Beman & Candee, White Bldg., Buffalo, heating and lighting engrs.

N. Y., North Rose—HIGH SCHOOL—Feb. 7, by Bd. Educ., Central School Dist. 2, Towns of Rose and Huron, R. L. Oaks, pres., for high school, here. C. C. Ade, 104 East Ave., Rochester, N. Y., archt.

N. J., Bayonne—CHURCH—Feb. 14, by Maginnis & Walsh, archts., 100 Boylston St., Boston, Mass., 1 story and basement, 65 x 175 ft., granite and limestone, plain foundation, here, for St. Vincent de Pauls Roman Catholic Church. $150,000.

Pa., Phila.—CHURCH—Feb. 3, by F. F. Durang, archt., 1220 Locust St., 1 story and basement, 70 x 150 ft., rein.-con., stone and steel, plain foundation, Allegheny St. east of 29th St., for Corpus Christi Roman Catholic Church. E. J. Kane, pastor. Noted Sept. 23.

Ga., Ft. Valley—HIGH SCHOOL—Feb. 8, by Building Com. Bd. Trustees Ft. Valley Consolidated School Dist., A. C. Riley, pres., for high school. Lockwood & Poundstone, Forsyth Bldg., Atlanta, archts. Noted Jan. 13.

Ky., Louisville—SCHOOL—Mar. 15, by Bd. Educ. 3 story and basement, 200 x 420 ft., rein.-con., brick and steel, plain foundation, 22nd and Rowen Sts. $401,700.

Ky., Richmond—ADMINISTRATION—Feb. 17, by Bd. Regents Eastern Kentucky State Normal School & Teachers College, administration building, on campus. G. M. Brock, Richmond, bus. agt. C. C. and E. A. Weber, Ingalls Bldg., Cincinnati, O., archts.

O., Tiffin—CHURCH—Trinity Reformed Church, E. W. Loudees, pastor, taking bids 1 story and basement, 100 x 150 ft., stone and steel church. $250,000. Nicklas & Rodrick, 1227 Prospect Ave., Cleveland, archts. Noted Sept. 30.

O., Zanesville—PAROCHIAL SCHOOL—Mar. 15, by Bd. Educ., brick school. $300,000.

Ia., Ames—DORMITORY—Feb. 8, by Bd. Educ., State House, Des Moines, 2 story and basement, 40 x 144 ft., rein.-con., brick and stone, plain foundation. $150,000. Proudfoot, Rawson & Souers, 810 Hubbell Bldg., Des Moines, archts.

Minn., Virginia—SCHOOL—Apr. 1, by Bd. Educ., Junior High School, 2 story, 180 x 300 ft., rein.-con., brick and stone, incl. swimming pool, plain foundation. $750,000. E. H. Berg, Eveleth, archt. Noted Sept. 1.

Calif., San Francisco—APARTMENT—A. H. Larsen, archt., 110 Sutter St., taking bids 5 story and basement, brick and steel, Hayes St. near Franklin St., for Mangels Bros., 445 West Portal Ave. $150,000. Noted Dec. 30.

Bids Received

N. J., Vineland—HIGH SCHOOL—Bd. Educ., High School Bldg., 6th and Plum Sts., Jan. 25, 2 story and basement, 208 x 290 ft., rein.-con. and brick, Landis Ave., here, from F. K. Worley, 305 Wesley Bldg., Phila., Pa., $327,777. Noted Jan. 6.

O., Sandusky — HIGH SCHOOL — Bd. Educ., general contract, Junior High School, 2 story and basement, 99 x 190 ft., brick and stone, from Ziehe & Miller, Sandusky, $198,300; steam heating, from J. C. Klee, Sandusky, $31,248. Noted Jan. 13.

Contracts Awarded

Me., Lewiston — CHURCH — St. Mary's Parish, E. Gauthier, pastor, 1 story and basement, brick and rein.-con., plain foundation, to E. Dionne, 117 Pierce St. Archts. est. $150,000. Noted Jan. 13.

Ga., Athens — SCHOOL — University of Georgia, 2 story and basement, 65 x 230 ft., rein.-con. and brick, to C. H. Van Ormer, 416 Healy Bldg., Atlanta, $189,536. Noted Nov. 25.

Ga., Macon — COLLEGE — Walker & Weeks, archts., 1900 Euclid Ave., Cleveland, O., four 2 and 3 story and basement, rein.-con., brick and steel buildings, here, to Southern Ferro Concrete Co., 50 East Ellis St., Atlanta, for Wesleyan College. Archts. est. $1,000,000. Noted Dec. 2.

Ky., Louisville—ADMINISTRATION—University of Louisville, 111 West Chestnut St., 3 story, basement, and massive glass dome, rein.-con., brick and steel, plain foundation, 3rd and Shipp Sts., to L. W. Hancock Co., Louisville Trust Bldg., $226,000. Noted Oct. 28.

O., Cincinnati — CHURCH — Grace Protestant Episcopal Church, Belmont Ave., 2 story and basement, stone and rein.-con., plain foundation, Belmont St., to J. Neyer, Central Ave., $120,000.

O., Cincinnati — GYMNASIUM — St. Xavier College, Victory Blvd., 3 story and basement, 204 x 288 ft., rein.-con., plain foundation, Winding Way, to Leibold-Farrell Co., Schmidt Bldg., $300,000.

O., Cincinnati — NURSES HOME — Children's Hospital, Main St., 3½ story and basement, 100 x 165 ft., brick and concrete, plain foundation, Elland St., to D. Meinken & Son, Barnard St., $150,000.

Mich., Detroit — SCHOOL — Bd. Educ., 1354 Bway. Ave., general contract Parker School, 2 story and basement, 100 x 362 ft., rein.-con. and brick, Elmira Ave., to A. W. Kutsche Co., 333 State St.; steam heating, to J. W. Partlan, 13900 Goddard St. Archts. est. $400,500. Noted Dec. 23.

Mich., Royal Oak (Ind. br. Detroit)—SCHOOL—Bd. Educ. Dist. 6, general contract 2 story and basement, rein.-con., brick and steel, plain foundation, in Dist. 6, to F. R. Patterson Constr. Co., 2631 Woodward Ave., Detroit, $638,903; steam heating, etc., to Drake Avery Co., 210 State St., Detroit, $110,638. Noted Jan. 13.

Ill., Chicago — SCHOOL and POWER HOUSE—Bd. Educ., 650 South Clark St., masonry and carpentry contract 2 story, 90 x 368 ft. brick school and power house, 5101-59 South Linder Ave., to Michuda Bros., 10748 Michigan Ave. Archts. est. $500,000.

Wis., West Milwaukee (Milwaukee P. O.) —HIGH SCHOOL—School Dist. 12, G. L. Niederstadt, clk., 2 story and basement, 58 x 71 ft., and 78 x 148 ft., brick, concrete and terra-cotta, plain foundation, Greenfield Ave., to Bentley Bros., 808 South Pierce St., Milwaukee, $229,000. Noted Jan. 13.

Buildings—Educational, Religious (Cont.)

Neb., Omaha—CHURCH and SCHOOL—Holy Name Parish, c/o E. F. Buhler, pastor, 2 story and basement, 140 x 172 ft., rein.-con., brick and steel, Fontenelle Blvd. and Maple St., to A. Kettler, 2316 Fontenelle Blvd. Archts. est. $150,000.

Tex., Eastland—SCHOOL—Bd. Educ., 2 story, 50 x 140 ft. school, to J. E. Morgan, 309 Texas Ave., El Paso. Noted Nov. 11.

Tex., McAllen — HIGH SCHOOL — Bd. Educ., general contract 3 story and part basement, 125 x 200 ft., rein.-con., brick and stone, plain foundation, to E. Oeffinger, c/o Builders Exch. Bldg., San Antonio, $187,890. Noted Jan. 6.

Calif., Los Angeles — CHURCH and PARISH HOUSE—C. F. Skilling & H. M. Patterson, Chamber of Commerce Bldg., 3 story and basement, 136 x 220 ft. church, and 4 story, 60 x 145 ft. parish house, both steel, stone and rein.-con., Wilshire Blvd. and Berendo St., to W. Simpson Constr. Co., Bank of Italy Bldg., $800,000.

Calif., Los Angeles — CHURCH — Immanuel Presbyterian Church, Wilshire Blvd. and Berendo St., brick, steel and concrete, Wilshire Blvd. and Berendo St., to Simpson Constr. Co., Bank of Italy Bldg., approximately $850,000. Noted Dec. 23.

Calif., Los Angeles—CHURCH—Church of Blessed Sacrament (Roman Catholic Archbishop of Los Angeles), 105 x 250 ft., rein.-con., Sunset Blvd., to McNeil Co., 5860 Avalon Blvd., approximately $350,500. Noted Jan. 6.

Calif., Pasadena—LABORATORY—California Institute of Technology, 3 story, 50 x 60 ft., rein.-con. aeronautical laboratory, to W. E. Crowell & Co., 495 South Broadway Ave., $200,000. Noted Dec. 30.

Calif., Santa Barbara—CHURCH—T. P. Barber, archt., 2008 West 7th St., Los Angeles, 2 story, basement, and 84 ft. tower, 155 x 217 ft., steel and rein.-con., Garden and Anapamu Sts., here, to C. M. Urton, 1450 Alameda Padre Serra, for First Methodist Episcopal Church. $150,000. Noted Jan. 6.

Calif., Wilmington — PAROCHIAL SCHOOL — Dominguez Seminary, (1st unit) 2 story, brick, to F. Schilling, 636 North Harvard Blvd., Los Angeles, approximately $200,000. Total $2,000,000.

Ore., Portland—SCHOOL—School Dist. 1, 2 story, 189 x 192 ft., school, Sellwood Parkway, Lambert and Rex Aves., to R. O. Powers, Worcester Bldg., $189,354.

Ont., Toronto—SCHOOL—Loretto Abbey, 403 Wellington St. W., general contract 3 story and basement, 200 x 350 ft., rein.-con., brick and steel, plain foundation, Mason Ave., to Pigott-Healy Constr. Co., 36 James St. S., Hamilton. Archts. est. $1,000,000. Contractors will sub-let trades and materials.

Federal Government Work

Bids Desired

Mass., Boston—Storehouse—Mar. 3, by Treas. Dept. at office Supervising Archt., Wash., D. C., storehouse at U. S. Quarantine Station, Gallops Island, here; adv. E. N.-R. Feb. 3.

N. Y., Fort Wadsworth (mail Staten Island)—Mess Hall—Feb. 10, by Constructing Quartermaster, 20 x 64 ft. mess hall. Noted Jan. 20.

Pa., Lewistown—Post Office—Feb. 25, at office Supervising Archt., Wash., D. C., 3 story and basement, 80 x 100 ft., brick, steel and stone post office annex, Main St., here. $150,000. J. A. Wetmore, acting superv. archt. Noted Oct. 7.

D. C., Anacostia (sta. Wash.)—Floor—Spec. 5310—Feb. 23, by Bureau Yards & Docks, Navy Dept., Wash., D. C., concrete floor at Naval Air Station.

D. C., Wash.—Elevator Enclosure Doors—Spec. 5321—Feb. 23, by Bureau Yards & Docks, Navy Dept., elevator enclosure doors, at Naval Hospital.

Fla., Jupiter—Boat House and Wharf—Spec. 5291—Feb. 23, by Bureau Yards & Docks, Navy Dept., Wash., D. C., boat house and wharf at Naval Radio Station, here. Noted Jan. 27.

Fla., Jupiter—Garage, etc.—Spec. 5292—Feb. 23, by Bureau Yards & Docks, Navy Dept., Wash., D. C., combination garage, storehouse and washhouse, at Naval Radio Station, here. Noted Jan. 27.

Tenn., Athens—Post Office—Feb. 28, by Treas. Dept., at office Supervising Archt., Wash., D. C., constructing U. S. Post Office, here.

O., Dayton — Dynamometer Building — Feb. 26, at office Constructing Quartermaster, Wright Field, dynamometer building, incl. certain utilities, at Wright Field, here; adv. E. N.-R. Feb. 3.

Tex., Galveston—Heating System—Feb. 28, by Treas. Dept., at office Supervising Archt., Wash., D. C., heating system for Post office, here.

Idaho, Sandpoint—Post Office—Feb. 21, by Treas. Dept., at office Supervising Archt., Wash., D. C., supplemental bids for U. S. Post office, here. Noted Dec. 16.

Bids Received

N. Y., Sunmount—Sewer—U. S. Veteran's Bureau, Wash., D. C., sewer line at U. S. Veteran's Hospital, here, from F. L. Snyder Co., 260 West 41st St., New York City, $45,000. This corrects report in Jan. 27 issue.

Wyo., Sheridan—Fire Alarm System—U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., Jan. 25, fire alarm system, at U. S. Veterans Hospital, here, from R. A. Phelps, Beloit, Wis., $5,575. Noted Jan. 6.

Contracts Awarded

D. C., Wash. — Retaining Walls, etc. — U. S. Veterans Bureau, Arlington Bldg., retaining walls and grading, etc., at U. S. Veterans Hospital 32, Mt. Alto, to Concrete Oil Tank Co., Mills Bldg., $24,706. Noted Jan. 27.

Tenn., Memphis—Engines, etc.—U. S. Engineer Office, 11 steel pontoons to C. Hegewald Co., State and Water Sts., New Albany, Ind., $6,649; 11 sections steel pontoon pipe, to Midwest Boat & Barge Co., Grafton, Ill., $21,560; and 2 uniflow engines, to Harrisburg Fdry. & Machine Wks., 7th and Curtin Sts., Harrisburg, Pa., $27,000. Grand total $55,209. Noted Dec. 9.

Calif., San Diego—Building—Spec. 5292—Bureau Yards & Docks, Navy Dept., Wash., D. C., storage and shop building at Naval Operating (Destroyer) Base, here, to Storm & Butts 521 "A" St., San Diego, $40,064 (240 days). Noted Jan. 27.

Calif., San Francisco—Pump—U. S. Engineer Office, 2nd Dist., 85 2nd St., booster pump, to General Electric Co., River Rd., Schenectady, N. Y., $9,094. Noted Jan. 13.

Unclassified

Proposed Work

Heating, Ventilating, etc. — Burlington, Vt.—City making plans heating, ventilating, plumbing and electrical work in auditorium. $25,000 or more. F. L. Austin, 240 College St., archt.

Overpass—Everett (br. Boston), **Mass.**—City, and State of Massachusetts plan overpass on State Blvd. between Main St. and Bway. To exceed $25,000. W. F. Williams, Boston, comr. Dept. Pub. Wks.

Boardwalk and Beach—Newport, R. I.—Newport Beach Assn. making plans improving boardwalk and beach. H. B. Upjohn, Grand Central Terminal, New York City, archt.

Grain Elevator—Albany, N. Y.—Albany Port Dist. Comn. plans 70 x 210 ft., grain elevator, 1 story, 97 x 1,000 ft. transit shed; concrete bulkhead, and 4 mi. railroad track for switching facilities. $1,500,000.

Grain Elevator—Buffalo, N. Y.—Moffatt Flour Mills, Inc., 1025 Seneca St., having preliminary plans prepared 8 story, 200 x 250 ft. grain elevator, rein.-con., Seneca St. $600,000. Monarch Eng. Co., 1003 Chamber of Commerce Bldg., engrs.

Dock, etc.—Rensselaer, N. Y.—Albany Dist. Port Comn., Albany, plans docks, railroad tracks and warehouse, here. $1,500,000.

Parks, etc. — Shreveport, La. — Election Mar. 8, $350,000 bonds, improving parks, etc. H. E. Barnes, city engr.

Grade Crossing Elimination—Columbus, O.—City Council making plans eliminating grade crossing at West Broad St. and Cleveland, Cincinnati, Chicago & St. Louis R.R. tracks. $240,000. R. H. Simpson, city engr.

Light Standards and Lights—Columbus, O.—Plans installing electric light standards and lights on Nelson and Fallis Rds., Malvern, Sylvia, Willshire, Dartmouth and Richards Aves. $36,000.

Swimming Pool and Park Development—Alton, Ill. — See "Excavation, Drainage, Irrigation, Levees, River and Harbor."

River Terminal—Winona, Minn.—G. H. Hoffmann, city clk., plans river terminal. $100,000. E. E. Chadwick, city engr.

Land Development — Texas — R. B. Creager & C. H. Swallow, Brownsville, making preliminary plans 2 townsites in Hidalgo Co., incl. sewers, waterworks, paving, lights, probably natural gas system. $400,000. Private plans.

Gas Pipe Line—Texas—Latex Gas Co., c/o F. N. Lege, pres., Orange (subsidiary Magnolia Gas Co.), plans 200 mi. gas pipe line from Orange Co. to Dallas, compressor stations will be established along route, probably 12 in. pipe. $10,000,000. Interested contractors address owners direct. Also making preliminary plans branch line from main gas line from Orange to Dallas, $2,000,000. Private plans.

Land Development—Austin, Tex.—G. and C. Hagelstein, 217 North St. Marys St., San Antonio, making plans, etc. developing acreage on north side of city for high class residential construction, incl. waterworks $20,000, sewers $25,000, paving $25,000. Private plans.

Sub-Stations, etc.—El Paso, Tex.—El Paso Electric Co., c/o T. Walker, mgr., plans sub-stations, improving underground system, two 1,500 hp. high pressure boilers. Private plans.

Transmission Line — Oklahoma — Southwestern Light & Power Co., Braniff Bldg., Oklahoma City, making surveys 35 mi. transmission line from Leady to Cheyenne, and electric distribution system in Cheyenne. $45,000. E. R. Ernsberger, Braniff Bldg., Oklahoma City, engr.

Grain Elevator—Ardmore, Okla.—Ardmore Milling Co. plans rebuilding grain elevator, incl. 25 bins for grain, 2,500 bu. per hr., 2,000 bu. hopper steel scale in tower, 150,000 bu. capacity, recently destroyed by fire. $150,000. Private plans.

Lighting System — Aberdeen, Wash. — Soon takes bids lighting system in Canyon Court Dist. G. D. Ross, city engr.

Fire and Police Alarm System—Fresno, Calif.—Plans election $350,000 bonds, additional police and fire alarm boxes, automatic traffic signals, and purchase site for municipal air port.

Lighting System—Modesto, Calif.—City, cancelled contract ornamental street lighting system on West Side Dist. Noted Dec. 9.

Ornamental Lighting System—Oceanside, Calif.—See "Streets and Roads."

Grain Elevator — Sarnia, Ont. — Sarnia Elevator Co. Ltd., W. A. Saurwein, mgr., plans 1,000,000 bu. grain elevator. $500,000.

Park Improvements—Lankershim, Calif.—Voted $378,000 bonds, purchasing park site and improving same.

Lighting System—Ventura, Calif.—Plans ornamental lighting system on approximately 8 mi. various streets.

Bids Desired

Coke Bin—Providence, R. I.—See "Contracts Awarded."

Bulkhead—New York, N. Y.—Feb. 11, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., bulkhead at 207th St. Yard, along westerly side Harlem River.

Jail Work, Kitchen Equipment and Electric Light Fixtures—Miami, Fla.—Feb. 15, by H. Peters, chn. Bd. Comrs. Dade Co., installing jail work and equipment, kitchen equipment, electric light fixtures in court house and city hall (now under construction). A. Ten Eyck Brown, Huntington Bldg., archt. A. Geiger, 10078 Huntington Bldg., and 717-20 Forsyth Bldg., Atlanta, Ga., associated archt.

Swimming Pool — Chicago, Ill. — See "Buildings—Commercial."

Turbo Generator, etc.—Hartford, Wis.—Feb. 15, by W. Radtke, city clk., furnishing and installing bleeder type turbo generator, surface and jet condensers, uniflow engine generating set, cooling tower, etc. C. A. Cahill & Sons, 217 West Water St., Milwaukee, engrs.

River Terminal—Dubuque, Ia.—Feb. 22, by Dock Bd., warehouse, escalator and dock. $90,000. W. F. Schulz, 870 Shrine Bldg., Memphis, Tenn., engr. Noted Dec. 9.

Swimming Pool — Virginia, Minn. — See "Building—Educational."

Land Development—Hawes, Ark.—See "Contracts Awarded."

Coaling Plant—Belleville, Ont.—Feb. 8, by T. T. Irving, ch. engr. Canadian Natl. Ry., New Union Sta., Toronto, 300 ton coaling plant rein.-con., electrically operated conveying equipment. $30,000.

Bids Received

Subway—Brooklyn, N. Y.—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York City, Jan. 28, installing tracks for part 14th St.-Eastern Dist. Line, here, from McElroy & Kerwin, 187 Joralemon St., $190,390; and constructing duct lines at Coney Island Yard, here, from Beaver Eng. & Contg. Co., 51 Chambers St., New York City, $45,165. Noted Jan. 20.

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Unclassified (Continued)

Fire Escapes—Buffalo, N. Y.—Commissioner Mental Hygiene, Capitol, Albany, constructing exit facilities and fire stops at Buffalo State Hospital, here, from English Constr. Co., Inc., 15 West 91st St., New York City. Proposition (1) $37,600 (2) $29,800 (3) $27,600 (4) $17,600. Noted Jan. 6.

Street Lighting System—Marcy, N. Y.—Dept. Mental Hygiene, Capitol, Albany, Jan. 19, street lighting system, Marcy Division Utica State Hospital, here, from Greenwood Eng. Co., 4849 Chestnut St., Phila., Pa., $11,667. Noted Dec. 16.

Fire Boat—Seattle, Wash.—Constructing triple screw steel fireboat, from Pacific Coast Eng. Co., 811 Railroad Ave. $199,613.

Bulkhead — San Diego, Calif. — A. H. Wright, city clk., Jan. 24, constructing 2 sections seawall at Mission Beach, aggregating approximately 8,700 lin.ft. Sect. 1, incl. all rein.-con. work and backfill, from C. and F. W. Steffgen, Spreckels Bldg., $166,832; Sect. 2, incl. all work, from Storm & Butts, $45,156. Noted Jan. 13.

Pier—San Francisco, Calif.—Bd. Harbor Comrs., Jan. 20, rein.-con. sub-structure for 125 ft. extensions to Piers 32 and 30, concrete piling, etc., from Healy-Tibbits Constr. Co., 64 Pine St., $198,200. Noted Jan. 13.

Contracts Awarded

Fruit Terminal — Charlestown, Mass. — Boston & Maine R.R., F. C. Shepherd, ch. constr. engr., Boston, Mass., 1 story, 90 x 600 ft., brick, steel and stone, plain foundation, Rutherford Ave., here, to D. P. Robinson & Co., North Sta., Boston. Engrs. est. $350,000.

Plumbing and Electrical Work—Somerville (Boston P. O.), **Mass.**—First Natl. Stores, Inc., 384 Rutherford Ave., Charlestown, plumbing in wholesale grocery plant, Mystic Ave., here, to J. B. Farnsworth, 151 Tyler St., Boston; and electrical work, to J. Livingston & Co., Inc., 110 High St., Boston. Noted Jan. 20.

Coke Bin—Providence, R. I.—Providence Gas Co., 100 Weybosset St., will build concrete coke bin. $500,000. Work will be done by separate contracts under supervision of owner. Robbins Conveying Belt Co., 15 Park Row, New York City, engrs.

Memorial—New Britain, Conn.—City, A. G. Kimball, chn. World War Memorial, for monument of Indiana limestone shaft, with granite base and steps, to Hayes Constr. Co., 9 Court St., $143,300. Engrs. est. $160,000. Noted Jan. 27.

Asphalt Plant—Phila., Pa.—Dept. Pub. Wks., Bureau of Highways, City Hall, 300 ton asphalt plant, 21st St. and Grays Ferry Rd., to Charleroi Iron Wks., Charleroi, $54,800. Noted Jan. 13.

Plumbing and Fire Protection Systems—Phila., Pa. — Dept. City Transit, H. E. Ehlers, dir., plumbing and fire protection systems for shop buildings at Fern Rock Yard, Broad St. Subway, to Bulman Bros., 5th and Cumberland Sts., $67,507. Noted Jan. 27.

Tunnel—Chattanooga, Tenn.—Hamilton Co., 1,000 ft. double tunnel, 20 ft. high, through Mission Ridge, incl. 345 lin.ft. each curbing and guttering, 900 sq.yd. concrete, 31,292 cu.yd. excav., 27,000 cu.yd. approaches, 5,400 cu.yd. concrete for arch and 2,400 ft. guard rail, to M. P. Smith, Knoxville, $347,218. Noted Dec. 30.

Culverts, etc.—Iowa City, Ia.—Johnson Co., 45 culverts, and 1 pony truss bridge, to Iowa Bridge Co., 1901 Easton Blvd., Des Moines, $26,630. Noted Jan. 13.

Land Development—Hawes, Ark.—Dierks Lumber & Coal Co., 700 Gates Bldg., Kansas City, Mo., will build 150,000 ft. capacity saw mill, machine shop, power plant, residences, church, grade streets, etc., here, by day labor. $500,000. Private plans. Noted Jan. 6 under "Hot Springs."

Turbine, etc.—Grand Island, Neb.—See "Buildings — Industrial under Proposed Work."

Grain Storage Bins—San Antonio, Tex.—Pioneer Flour Mills, c/o C. H. Guenther & Sons, Guenther St., eight 16 x 33 x 50 ft. concrete grain storage bins, and remodeling 3 story building, to J. De Puy, c/o Builders Exch. Bldg., $38,537. Noted Jan. 13.

Land Development—San Benito, Tex.—G. T. Walker, Brownsville, Valencia Park sub-division improvements, incl. paving, sewers, and waterworks, to Dodds & Wedegartner, San Benito, $200,000. Noted Jan. 27.

Lighting System—Los Angeles, Calif.—Ornamental lighting system on Brunswick Ave. between Los Feliz and Glendale Blvds., to Osborn Electric Co., 450 California Terrace, Pasadena, $26,844. Noted Jan. 6.

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Materials

Proposed Work

Course Aggregate—Brooklyn, N. Y.—J. J. Byrne, pres. Brooklyn Boro, Boro Hall, rejected bids Jan. 12, 10,000 cu.yd. course aggregate. Noted Jan. 20.

Bids Desired

Piles—Brattleboro, Vt.—H. S. Buffin, P. O. Box 65, in market 200 piles 60 ft. long, f.o.b. cars New York or Boston.

Quicklime—Brooklyn, N. Y.—Feb. 9, by J. J. Byrne, pres. Brooklyn Boro, Boro Hall, 533 net tons quicklime at several sewage disposal stations in 26th and 31st Wards, here.

Ties—Brooklyn, N. Y.—Feb. 11, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York City, supply of untreated ties, for use in constructing part of Coney Island Yard, for Culver Line.

Lime, etc.—Long Island City, N. Y.—Feb. 7, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., 500 net tons lime to various disposal plants; also 30,000

Tar, etc.—New York, N. Y.—Feb. 9, by H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., 300,000 gal. bituminous road surfacing material tar for cold application; 150,000 gal. tar for patching (hot application); 850,000 gal. bituminous road surfacing material (asphalt road oil for cold application) (dust layer); 3,500 cu.yd. 1½ in. waterbound macadam stone; 2,000 cu.yd. broken stone screenings; 3,500 cu.yd. ¾ in. stone; 1,500 cu.yd. concrete and paving sand; 5,000 bags portland cement; 9,000 cu.yd. sand grits; 1,000 tons asphaltic cement; 9,000 cu.yd. asphalt sand; 75 tons pitch joint filler (for stone block pavements); 7,500 cu.yd. binder stone; 900 tons inorganic dust; 25,000 cu.yd. steam cinders; long leaf yellow pine lumber; and spruce lumber, cypress, whitewood, white pine, plain sawn white oak, hickory and chestnut posts.

Paving Materials—Pittsburgh, Pa.—Feb. 16, at office C. C. McGovern, controller Allegheny Co., asphalt cement, crushed stone, crushed slag, mineral filler, natural rock asphalt, Portland cement, paving brick, sand, tar, etc. for road construction.

Arch Brick—Baltimore, Md.—Feb. 9, by Bd. Awards, arch brick, to Bureau Water Supply. J. S. Strohmeyer, City Hall, acting water engr.

Generators, Condensers, Boilers, Stokers, etc.—Hagerstown, Md.—Feb. 15, by Bd. Streets Comrs., City Hall, steam turbine generators, surface condensers, boilers and superheaters, stokers, oil circuit breakers for main bus, switchboards and switchboard equipment. L. T. Klauder, consult. engr.; Phila., Pa.

Pipe—Columbia, S. C.—Feb. 11, by State Hy. Dept., various sized corrugated metal culvert pipe for use in maintenance work of State Highway Dept. during period Feb. 11 to Dec. 31. B. M. Sawyer, ch. highway comr.

Tar Oil—Indianapolis, Ind.—Feb. 10, by Bd. Park Comrs., 130,000 gal. or less tar oil for park drives and boulevards.

Tar, Asphalt, etc.—Iowa—Mar. 1, by State Hy. Comn., tar and asphalt for concrete pavement maintenance, red lead and green graphite bridge paint, white and black guard rail paint, O. D. equipment enamel, calcium chloride, black and white paint for pavement centerline marking. F. R. White, ch. engr.; adv. E. N.-R. Feb. 3.

Lumber, Culvert Pipe, etc.—Burlington, Ia.—Feb. 9, at office Auditor Des Moines Co., 56,000 ft. fir lumber, 3,150 ft. corrugated culvert pipe, 900 bbl. cement. C. E. Waterhouse, Burlington, co. engr.

Lumber, etc.—Charles City, Ia.—Feb. 8, at office Auditor Floyd Co., 167,000 ft. lumber and 1 car culvert pipe. J. H. Curtis, Charles City, co. engr.

Lumber, etc.—Clarion, Ia.—Feb. 7, by Auditor Wright Co., 2 cars lumber and seasons requirement of corrugated culvert pipe. J. K. Hilton, Clarion, co. engr.

Culvert Pipe, etc.—Elkador, Ia.—Feb. 8, by Auditor Clayton Co., 4,250 ft. corrugated culvert pipe, 2 cars standard sawed bridge plank. E. W. Hahn, Elkador, co. engr.

Lumber, etc.—Ida Grove, Ia.—Feb. 8, at office Auditor Ida Co., 25,500 ft. standard sawed creosoted yellow pine lumber, 880 lin ft. creosoted yellow pine piling, 80,000 ft. standard sawed rough fir bridge lumber, 2,000 lin.ft. red cedar piling, 175 posts 2,500 lb. spikes, 1,000 lb. 9 galvanized wire, 5,000 lb. 12 black wire; and 75 gal. white paint. G. S. Witters, Ida Grove, co. engr.

Culvert Pipe, Lumber, etc.—Independence, Ia. — Feb. 8, at office Auditor Buchanon Co., 3,700 ft. corrugated culvert pipe, 5 cars bridge lumber and 2 cars cypress piling. A. R. Bartell, Independence, co. engr.

Lumber, Culvert Pipe, etc.—Red Oak, Ia.—Feb. 9, at office Auditor Montgomery Co., 242,234 ft. fir lumber, 10,000 ft. cypress lumber, 10,660 ft. piling, 600 bbl. cement and 4,000 ft. culvert pipe. P. A. Michel, Red Oak, co. engr.

Bridge Lumber, etc.—Sioux City, Ia.—Feb. 8, at office Auditor Woodbury Co., 7½ cars fir bridge lumber and 8 cars red cedar or cypress piling. J. C. McLean, Sioux City, co. engr.

Portland Cement—Minnesota—Feb. 15, by State Hy. Dept., St. Paul, approximately 288,000 bbl. portland cement.

Road Supplies—Ontario—Feb. 15, by S. L. Squires, deputy minister highways, Parliament Bldgs., Toronto, asphalt, tar, road oil, paint, crushed stone, center joint material, wire rope cable for guard rail, and cement testing services, for Dept. Provincial Highways, Parliament Bldgs., Toronto, $500,000. R. M. Smith, 110 University Ave., Toronto, engr.

Rubble and Crushed Stone — Niagara Falls, Ont.—Feb. 4, by J. H. Jackson, engr., Niagara Falls, crushed and rubble stone per ton and per cu.yd. for highway and building construction, for Queen Victoria Niagara Falls Park Comn. $15,000.

Bids Received

Portland Cement and Posts—Milwaukee, Wis.—Central Bd. Purchases, J. W. Nicholson, ch. buyer, Jan. 24, 20,000 bbl. Portland cement, from Degentesch Bros., 28th and Forest Home Aves., H. Cook Co., 506 12th St., Ferrer Lime, Cement & Coal Co., Humboldt Ave., Tews Lime & Cement Co., 602 North Ave., Schneider Fuel & Supply Co., 29th and Forest Home Aves., Pipkorn-Marggraff Co., 1211 Humboldt Ave., and Wilbur Lumber Co., 7021 National Ave., at $12.94 per bbl., $0.10 each for sacks, and 5% cash discount; also 73 combination fire and police alarm posts, from Milwaukee Fire & Police Alarm Post Co., 550 Maryland Ave., $138 each. Noted Jan. 27.

Electric Cable—Minneapolis, Minn.—F. S. Gram, city purch. agt., Jan. 18, 62,500 lin. ft. electric cable for Fire Dept. signal service, from Standard Underground Cable Co., Conway Bldg., Chicago, Ill., at $62.22 per M. Noted Jan. 13.

Portland Cement—Denver, Colo.—Dept. Impvts. & Parks, Jan. 25, 700 bbl. portland cement f.o.b. site of Evergreen Dam, delivered immediately, 4,500 bbl. each month during February and March, and 1,300 bbl. during April, from Rio Grande Fuel Co., 123 Santa Fe Dr., $37,263.

Contracts Awarded

Sewer Pipe—Boston, Mass.—City, Supply Dept., 200,000 lb. sewer pipe stock, to E. L. LeBaron Fdry. Co., Brockton, $0.052 per lb.

Paving Blocks, etc.—Brooklyn, N. Y.—J. J. Byrne, pres. Brooklyn Boro, Boro Hall, to M. F. Hickey Co., 83 9th St., 15,000 cu.yd. asphalt sand $14,700, 3,000 cu.yd. sand grit $5,280, and 3,000 cu.yd. paving sand $2,940; to Hastings Pavement Co., 25 Broad St., New York City, 50,000 asphalt paving blocks $4,894; to J. Leopold & Co., Inc., Woolworth Bldg., New York City, 50,000 Grade 1 granite paving blocks $6,500; to Southern Wood Preserving Co., 10 East 43rd St., New York City, 80,000 wood paving blocks $3,872; to M. M. Canda, 184 3rd St., 8,000 bbl. portland cement $21,280; to F. J. Lewis Mfg. Co., 300 Doremus Ave., Newark, N. J. 200 tons paving pitch $4,800; to Capitol Sand & Gravel Co., 5th St. and 2nd Ave., 20,000 cu.yd. steam cinders, $28,500; to Warner Quinlan Co., 26 Beaver St., New York City, 600,000 gal. asphaltic cement, $42,180; to New York Trap Rock Co., 101 Park Ave., New York City, 6,000 cu.yd. binder stone $1,164, to Clover Connite Co., Inc., 1629 East 30th St., 2,000 cu.yd. sand paving $2,060; to Texas Co., 17 Battery Pl., New York City, $600,000 gal. asphalt road oil, $39,300. Grand total $177,470. Noted Jan. 20.

Clay Conduit — Baltimore, Md. — Mayor and City Council, City Hall, 500,000 ft more or less vitr. clay conduit, to Natl. Fireproofing Co., Rosslyn, Va., at $0.0705 per ft.

Shell—Houston, Tex.—Harris Co., c/o H. L. Washburn, aud., 10,000 tons shell, to Moore, Kilgore & Mitchell, 2nd Natl. Bank Bldg., at $1.43 per ton; 25,000 tons, to W. D. Haden Co., 2315 Polk St., $1.46.

Piles—Sacramento, Calif.—For 435 rein.-con. piles for work in connection with filtration plant, to J. E. Tempest, 1450 44th St., $32.50 each.

See proposal advertising on page 178

Engineering News-Record Unit Prices

Engineering News-Record wants to make this unit-cost section of the greatest usefulness. YOU *are invited to co-operate by sending us lists of unit prices on jobs with which you are connected. Construction News-Editor, Engineering News-Record, Tenth Ave. at 36th St., New York, N. Y.*

Unit Price Lists Published in January, 1927

		Issue of
Bridge	Florida	Jan. 6
Bridge	Wilmington, Del.	Jan. 6
Bridge	Kansas	Jan. 20
Bridge	Florida	Jan. 20
Bridge	Toledo, Ohio	Jan. 27
Bridge	Florida	Jan. 27
Elev. R.R. Columns	New York, N. Y.	Jan. 6
Elevated Line	Brooklyn, N. Y.	Jan. 20
Grading	Los Angeles, Calif.	Jan. 13
Highway	Idaho	Jan. 6
Highway	Washington	Jan. 6
Paving	Seattle, Wash	Jan. 27
Road Work	Florida	Jan. 13
Road Work	Arizona	Jan. 20
Road Work	Oregon	Jan. 20
Road Work	California	Jan. 20
Road Work	Florida	Jan. 27
Sewers	Wellsville, Kan.	Jan. 6
Sewer	Gloucester, Mass	Jan. 6
Sewer	San Francisco, Calif.	Jan. 6
Sewer	Cleveland, Ohio	Jan. 20
Sewer	Toledo, Ohio	Jan. 27
Sewage Pumping Station	Salina, Kan	Jan. 20
Siphon	Oakland, Calif.	Jan. 13
Subway	New York, N. Y.	Jan. 13
Ties	New York, N. Y.	Jan. 20
Water Mains	Wilmette, Ill	Jan. 6

ROAD WORK—IDAHO

Bids were opened by Department of Public Works, Bureau of Highways, Boise, Jan. 14, (lowest four and highest) for constructing 1.137 mi. road between Pocatello and Ft. Hall, Yellowstone Park Highway, Bannock Co., from (A) Olof Nelson, Logan, Utah (awarded contract); (B) O'Connor Construction Co., Idaho Falls; (C) Wheelwright Contracting Co., Ogden; (D) Strange & McGuire, Salt Lake City; (E) O'Brien & Lordan, Butte. The unit bids are as follows:

	A	B	C	D	E
3,133 cu.yd. earth excav.	$0.38	$0.50	$0.75	$0.75	$0.70
20,917 st.yd. overhaul	.03	.03	.04	.02	.05
3,500 lb. metal reinf	.08	.06	.06	.08	.07½
30 lin.ft. 18 in. G. I. P. (H. & P.)	.60	.30	.60	.60	.60
1,852 lin.ft. type E guard rail	.70	.75	.75	.75	.75
330 lin.ft. remove conc. curb	.30	.50	.18	.15	.20
70 lin.ft. remove bridges (lump sum)	200.00	210.00	122.00	150.00	130.00
1,920 lin.ft. conc. gutter	.48	.75	.88	.60	1.25
627 cu.yd. crushed gravel shoulders	1.50	1.65	1.75	1.50	1.85
8,523 sq.yd. 18 ft. conc. pavement	1.98	2.00	2.13	2.15	2.30
7,544 sq.yd. 37 ft. conc. pavement	1.93	2.00	1.98	2.15	2.30
Extended totals	$37,009	$38,786	$40,863	$41,291	$45,619

SEWER—AKRON, OHIO

Bids were opened by W. F. Peters, Dir. Pub. Serv., Jan. 13, (lowest four and highest) for constructing sewer in Hawkins Ave., from Ohio Canal to north of Fairfax Ave., Contr. No. 4, from (A) Frank George, 1657 Mahoning Ave., Youngstown; (B) T. E. McShaffrey Construction Co., 173 South Forge St.; (C) W. P. Gibbons Contracting Co.; (D) McCourt Construction Co.; (E) McAlonan Bros. The unit bids are as follows:

	A	B	C	D	E
6,480 lin.ft. 30 in. brick sewer	$8.00	$10.00	$11.00	$12.50	$14.00
440 lin.ft. 36 in. brick sewer	17.00	10.50	11.00	14.00	20.00
18 manholes (std.) on brick sewer	70.00	90.00	100.00	100.00	100.00
40 cu.yd. concrete masonry, class 3	16.00	15.00	12.00	15.00	20.00
10 6 in. stubs or slants	2.00	1.00	1.00	1.00	2.00
6,920 lin.ft. 8 in. underdrain	.10	.40	.60	.60	1.00
70 cu.yd. gravel refill	3.00	2.50	3.00	5.00	5.00
30 M.B.M. sheeting left in place	5.00	35.00	10.00	10.00	40.00
100 cu.yd. special excavation	4.00	2.50	3.00	2.00	3.00
40 cu.yd. concrete masonry, class 3	16.00	15.00	12.00	15.00	20.00
Cost of sewer	63,332	76,493	84,752	95,172	111,710
Cost of eng. inspection, etc.	3,003	3,003	3,003	3,003	3,003
Extended totals	$66,335	$79,496	$87,755	$98,175	$114,713

ROAD WORK—FLORIDA

Bids were opened by Commissioners of Polk County and County Engineer, Dec. 7, (lowest four and highest) for constructing approximately 18 mi. of road, from (A) Barnett & Embry, Bartow (awarded contract); (B) Langston Construction Co.; (C) W. P. McDonald; (D) Hughes Trans. Co.; (E) Johnson, Drake & Piper. Contract awarded for 2-in. sheet asphalt on 7-in. Bartow clay base. The unit bids are as follows:

	A	B	C	D	E
84 acres clearing	$60.00	$55.00	$75.00	$50.00	$150.00
71 acres grubbing	80.00	110.00	100.00	100.00	200.00
170,150 cu.yd. regular excavation	.30	.30	.30	.39	.35
12,000 cu.yd. borrow excavation	.40	.40	.40	.42	.50
120 lin.ft. 18-in. reinforced concrete pipe	3.00	2.25	2.50	3.00	2.50
120 lin.ft. 21-in. reinforced concrete pipe	.....	.....	.....	.....	.....
270 lin.ft. 24-in. reinforced concrete pipe	4.50	3.50	3.75	4.25	3.75
240 lin.ft. 30-in. reinforced concrete pipe	6.00	5.00	6.00	5.50	5.00
660 lin.ft. 36-in. reinforced concrete pipe	8.00	8.00	8.00	7.00	6.50
120 lin.ft. 18-in. D.S. vitrified clay pipe	3.00	.....	2.50	3.00	.....
120 lin.ft. 21-in. D.S. vitrified clay pipe	.....	.....	.....	.....	.....
270 lin.ft. 24-in. D.S. vitrified clay pipe	4.50	.....	3.75	4.25	.....
240 lin.ft. 30-in. D.S. vitrified clay pipe	8.00	.....	6.00	5.50	.....
660 lin.ft. 36-in. D.S. vitrified clay pipe	11.00	.....	8.00	7.00	.....
12 cu.yd. class "AA" concrete	50.00	55.00	40.00	35.00	45.00
600 cu.yd. class "A" concrete	32.00	32.00	30.00	35.00	35.00
438 cu.yd. class "C" concrete	32.00	31.00	30.00	35.00	25.00
880 lin.ft. reinforced concrete piles	5.50	5.00	4.75	6.00	5.00
72,420 lb. reinforced steel	.07	.06	.07	.06	.06
183,040 sq.yd. Florida limestone 5-in	.80	.91	.80	.82	1.10
183,040 sq.yd. Florida limestone 6-in	.90	1.01	.96	.96	1.20
183,040 sq.yd. Florida limestone 7-in	1.05	1.15	1.13	1.11	1.30
183,040 sq.yd. Bartow clay 5-in	.65	.65	.70	.59	1.00
183,040 sq.yd. Bartow clay 6-in	.75	.77	.86	.72	1.10
183,040 sq.yd. Bartow clay 7-in	.87	.89	1.03	.84	1.20
171,600 sq.yd. sheet asphalt 1½-in	.75	.77	.64	.80	1.00
171,600 sq.yd. sheet asphalt 2-in	.90	.93	.89	.99	1.20
171,600 sq.yd. asphalt binder 1-in	.40	.62	.47	.....	.95
171,600 sq.yd. alternate A	.....	.....	.....	.....	.....
171,600 sq.yd. alternate B	.....	.....	.....	Fin. B .32	.....
171,600 sq.yd. alternate C	.....	.....	.....	Fin. C .57	.....
171,600 sq.yd. 2 course surface treatment	.....	.30	.28	.32	.30
171,600 sq.yd. finished rock	.....	.60	.....	.....	.....
183,040 sq.yd. Florida limestone 8-in	1.20	.....	1.30	.....	.....
183,040 sq.yd. Bartow clay 8-in	1.05	.....	1.20	.....	.....
171,600 sq.yd. concrete pavement 6-in	.....	.....	.....	.....	2.95
Extended totals 2-in. asphalt on 7-in. Bartow clay base	$432,270	$440,646	$459,401	$460,178	$560,558

Engineering News-Record Unit Prices

SEWERS—SANTA CRUZ, CALIF.

Bids were opened by S. A. Evans, City Clk., Dec. 30, (lowest three and highest) for constructing improved sewerage and outfall works, Contr. No. 1, from (A) J. H. Tillman Co., 300 East Cabrillo Blvd., Santa Barbara, (awarded contract); (B) Keystone Construction Co.; (C) Elliott, Stroud & Seabrook; (D) McDonald & Kahn, Inc. The bids are as follows:

		A	B	C	D
1	214.53 ft. 6 in. vit. clay sewers, Garfield Street lateral sewer	$238.00	$343.00	$290.00	$262.00
2	1,536.00 ft. 6 in. vit. clay sewers, Sycamore Street branch sewer	1,500.00	2,769.00	2,443.00	3,380.00
3	2,190.86 ft. 6 in. vit. clay sewers, Agnes Street interceptor	1,500.00	2,020.00	2,213.00	2,680.00
4	2,442.48 ft. 6 in. vit. clay sewers, Burnett-Harrison-Dakota Streets branch	2,045.00	3,190.00	3,835.00	4,620.00
5	424.96 ft. 6 in. vit. clay sewers, Water Street connecting sewer	245.00	536.00	391.00	911.00
6	805.90 ft. 8 in. vit. clay sewers, East San Lorenzo River interceptor	545.00	943.00	710.00	1,517.00
7	1,522.50 ft. 8 in. vit. clay sewers, Bay-California Streets relief sewer	1,740.00	4,087.00	3,137.00	5,069.00
8	510.72 ft. 8 in. vit. clay sewers, Pelton Avenue interceptor	1,730.00	1,282.00	2,886.00	1,797.00
9	280.00 ft. 10 in. vit. clay sewers, Center Street relief sewer	425.00	648.00	524.00	841.00
10	1,412.23 ft. 10 in. vit. clay sewers, East San Lorenzo River interceptor	1,330.00	1,790.00	1,849.00	2,365.00
11	1,650.99 ft. 10 in. vit. clay sewers, West San Lorenzo River interceptor	1,623.00	2,344.00	2,137.00	2,169.00
12	2,046.81 ft. 10 in. vit. clay sewers, Bay-California Streets relief sewer	3,140.00	4,568.00	4,975.00	5,897.00
13	898.60 ft. 10 in. vit. clay sewers, Kaye and Beach Streets interceptor	1,218.00	2,062.00	1,869.00	5,550.00
14	3,379.98 ft. 10 in. vit. clay sewers, Water Street branch sewer	4,460.00	5,948.00	7,030.00	8,342.00
15	580.82 ft. 10 in. vit. clay sewers, Pelton Avenue interceptor	2,350.00	1,729.00	4,079.00	2,120.00
16	646.02 ft. 12 in. vit. clay sewers, East San Lorenzo River interceptor	920.00	1,214.00	1,072.00	1,800.00
17	1,059.23 ft. 12 in. vit. clay sewers, West San Lorenzo River interceptor	1,950.00	3,172.00	2,531.00	3,984.00
18	1,240.00 ft. 12 in. vit. clay sewers, Center Street relief sewer	2,042.00	2,856.00	3,137.00	2,980.00
19	1,651.97 ft. 12 in. vit. clay sewers, Bay-California Streets relief sewer	2,474.00	4,027.00	4,163.00	4,448.00
20	979.66 ft. 12 in. vit. clay sewers, Kaye and Beach Streets interceptor	2,990.00	3,607.00	4,430.00	17,900.03
21	1,037.39 ft. 12 in. vit. clay sewers, Pelton Avenue interceptor	3,332.00	3,600.00	6,090.00	3,840.00
22	600.24 ft. 12 in. vit. clay sewers, Pelton Avenue interceptor	1,980.00	2,724.00	6,024.00	2,526.00
23	333.10 ft. 15 in. B. & S. cement-concrete pipe, East Santa Cruz-Seabright	500.00	699.00	603.00	1,109.00
24	1,490.64 ft. 15 in. B. & S. cement-concrete pipe, Center Street relief sewer	3,660.00	3,976.00	5,264.00	5,747.00
25	1,727.87 ft. 15 in. B. & S. cement-concrete pipe, East San Lorenzo River interceptor	2,715.00	4,461.00	3,249.00	4,815.00
26	2,212.46 ft. 15 in. B. & S. cement-concrete pipe, East San Lorenzo River interceptor	3,445.00	5,669.00	5,464.00	6,515.00
27	2,177.19 ft. 15 in. B. & S. cement-concrete pipe, Kaye and Beach Streets interceptor	11,290.00	14,247.00	24,000.00	26,800.00
28	610.10 ft. 15 in. B. & S. cement-concrete pipe Kaye-Third Streets interceptor	920.00	1,426.00	1,256.00	2,760.00
29	736.83 ft. 15 in. B. & S. cement-concrete pipe, Pelton Avenue interceptor	1,277.00	1,811.00	1,496.00	2,006.00
30	1,454.71 ft. 16 in. T. & G. cement-concrete pipe, East Santa Cruz-Seabright interceptor	9,175.00	20,805.00	10,854.00	15,700.00
31	3,400.30 ft. 16 in. T. & G. cement-concrete pipe, Ocean Cliffs branch sewer	3,910.00	5,544.00	9,826.00	4,990.00
32	1,204.84 ft. 16 in. T. & G. cement-concrete pipe, Kaye-Thirds Streets interceptor	10,111.00	10,265.00	9,026.00	27,600.00
33	1,279.80 ft. 21 in. B. & S. cement-concrete pipe, East Santa Cruz-Seabright interceptor	3,000.00	4,615.00	4,710.00	6,430.00
34	779.40 ft. 24 in. B. & S. cement-concrete pipe, East Santa Cruz-Seabright interceptor	3,567.00	4,114.00	3,924.00	4,680.00
35	859.79 ft. 27 in. T. & G. cement-concrete pipe, Main Intercepting sewer	7,057.00	5,705.00	7,115.00	16,600.00
36	974.77 ft. 30 in. T. & G. cement-concrete pipe, Main Intercepting sewer	10,850.00	10,691.00	20,477.00	20,500.00
37	1,453.26 ft. 30 in. T. & G. cement-concrete pipe, Main Intercepting sewer	21,000.00	14,384.00	23,208.00	37,300.00
38	859.79 ft. 30 in. T. & G. cement-concrete pipe, main Intercepting sewer	7,500.00	6,242.00	7,545.00	17,900.00
39	4,289.07 ft. 30 in. T. & G. cement-concrete pipe, Outfall sewer	113,000.00	89,735.00	63,016.00	97,400.00
40	227.67 ft. 30 in. B. & S. cast-iron pipe, Main Intercepting sewer	4,500.00	7,210.00	9,956.00	11,500.00
41	297.74 ft. 24 in. San Lorenzo River crossing	4,900.00	5,514.00	4,169.00	11,050.00
42	72.35 ft. 16 in. O. D. W. I. pipe, Branciforte Creek crossing	500.00	794.00	915.00	667.00
43	178.54 ft. 16 in. B. & S. cast-iron pipe, Ocean Vista bridge	570.00	960.00	1,171.00	960.00
44	100.00 ft. 6 in. genuine W. I. pipe, Agnes Street interceptor	225.00	300.00	368.00	362.00
45	300.00 ft. 6 in. genuine W. I. pipe, Agnes Street interceptor	700.00	995.00	300.00	1,223.00
46	72.80 ft. 6 in. W. I. pipe, Branciforte Creek Crossing, Burnell-Harrison-Dakota	200.00	310.00	243.00	320.00
47	2-"Type A" manholes	140.00	150.00	160.00	143.00
48	68-"Type B" manholes	5,100.00	6,120.00	5,780.00	7,928.00
49	46-"Type C" manholes	3,680.00	4,416.00	8,280.00	6,830.00
50	2-combined manholes and storm water by-passes	140.00	250.00	200.00	190.00
51	1 special relief or overflow manhole on main intercepting sewer	220.00	300.00	250.00	330.00
52	1 special flushing manhole on the Agnes Street interceptor	100.00	200.00	210.00	190.00
53	Surge chamber on outfall sewer and drop pipe to Ocean Cliffs Branch Service	700.00	1,233.00	1,370.00	1,523.00
54	Surge chamber on outfall sewer at sta. 180+69.07	700.00	1,260.00	1,330.00	1,680.00
55	3 shafts with vents of outfall sewer and drop pipes to Ocean Cliffs Branch Service	1,401.00	2,022.00	2,293.00	3,300.00
56	(a) 2 16 in. O. D. outfall pipes; ordinary wrought steel with protection System I	75,140.00	50,265.00	59,770.00	68,400.00
	(b) 2 16 in. O. D. outfall pipes; ordinary wrought steel with protection System II	77,640.00	52,597.00	65,500.00	76,500.00
	(c) 2 16 in. O. D. outfall pipes; ordinary wrought steel with protection System III	81,640.00	56,167.00	62,500.00	75,500.00
	(d) 2 16 in. O. D. outfall pipes; welded copper bearing steel with protection System I	75,700.00	51,000.00	62,000.00	69,600.00
	(e) 2 16 in. O. D. outfall pipes; welded copper bearing steel with protection System II	78,200.00	53,287.00	66,500.00	77,600.00
	(f) 2 16 in. O. D. outfall pipes; welded copper bearing steel with protection System III	82,200.00	56,925.00	63,200.00	76,500.00
	(g) 2 16 in. O. D. outfall pipes; genuine hand puddled W. I. with protection System II	88,500.00	66,855.00	82,500.00	93,500.00
	(h) 2 16 in. O. D. outfall pipes; genuine hand puddled W. I. with protection System III	92,500.00	71,087.00	81,000.00	90,600.00
57	Screening-pumping plant structure, complete	17,000.00	21,780.00	24,250.00	45,000.00
58	Elevated screenings bin	1,200.00	1,212.00	1,800.00	3,190.00
59	Screening-pumping plant equipment	31,000.00)	32,036.00	41,100.00	50,300.00
		(27,000.00		(37,000.00)	
60	Outside piping, conduits and connections with the screening-pumping plant	1,800.00	1,560.00	4,200.00	4,800.00
61	Roadway to the screening-pumping plant site	2,500.00	3,072.00	3,800.00	4,800.00
62	Landscaping and planting the screening pumping plant site	6,000.00	6,899.00	7,600.00	13,000.00
63	22 or 24, 6 in.; 3 or 4, 8 in; 1 12 in.; manhole connections	15.00	20.00	30.00	12.00
64	6x4 in. Y-branches, complete, in place	0.40	1.00	0.80	1.25
65	8x4 in. Y-branches, complete, in place	0.55	1.00	0.85	1.75
66	10x4 in. Y-branches, complete, in place	0.80	1.50	0.95	2.25
67	12x4 in. Y-branches, complete, in place	1.00	2.00	1.40	3.00
68	15x4 in. Y-branches, complete, in place	1.50	3.00	2.00	3.50
69	Wooden shoring, bracing and sheeting left in place	30.00	50.00	25.00	45.00
	Total (A), items Nos. 1-27, 29-31, 33-37, 39-55, 57-62 with Kaye and Beach Streets interceptor	$313,498	$340,458	$369,766	$505,786
	Total (B), items Nos. 1-12, 14-19, 21-26, 28-34, 36-55, 57-62 with Kaye and Third Streets interceptor	$309,474	$340,770	$350,179	$487,196
	Extended totals (B) plus item 56 H	$401,974	$411,857	$431,179	$577,796

ROAD WORK—VIRGINIA

Bids were opened by State Highway Commission, Richmond, Dec. 29 (lowest three) for grading and draining 1.776 mi. road in Lunenburg Co., Project S-335-B, from (A) Central Construction Co., Victoria, (awarded contract); (B) Marye & Blankenship, Shawsville; (C) Perkins & Barnes, Blackstone. The unit bids are as follows:

	A	B	C
11 acres clearing and grubbing	$100.00	$120.00	$120.00
22,475 cu.yd. reg. excav.	.40	.40	.40
260 lin.ft. 15 in. pipe	1.50	1.50	1.85
98 lin.ft. 18 in. pipe	2.00	2.00	2.25
85 cu.yd. concrete, class "A"	24.00	21.00	22.00
10 cu.yd. concrete, class "B"	20.00	20.00	20.00
7,537 lb. metal reinforcement	.05	.065	.06
22 concrete right of way monuments	3.00	2.00	2.50
Extended totals	$14,695	$14,756	$14,948

BRIDGE—VIRGINIA

Bids were opened by State Highway Commission, Richmond, Dec. 29, (lowest three) for bridge over Waqua Creek, Brunswick Co., Project F-455-C, from (A) J. S. Bowers, Whitesville, N. C., (awarded contract); (B) Haymes Construction Co., Chatham; (C) Hagedorn Construction Co., Greensboro, N. C. The unit bids are as follows:

	A	B	C
Superstructure			
311.2 cu.yd. class "A" concrete	$26.00	$29.00	$29.60
41,325 lb. reinf. steel	.055	.049	.05
Substructure			
83 cu.yd. class "A" concrete	27.00	29.00	35.00
6,995 lb. reinf. steel	.055	.049	.05
46 cu.yd. wet excav.	3.00	6.00	4.00
102 cu.yd. dry excav.	.75	2.00	1.00
Extended totals	$14,525	$15,708	$16,300